

## **Historic, Archive Document**

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# X-L Flower & Vegetable Seeds



X-L PRIZE WINNING LARKSPUR — Pkt. 10c; 1/4 cz. 25c.

ESTABLISHED

**GRAHAM & ROSS**

1895

First Avenue South at Sixth Street

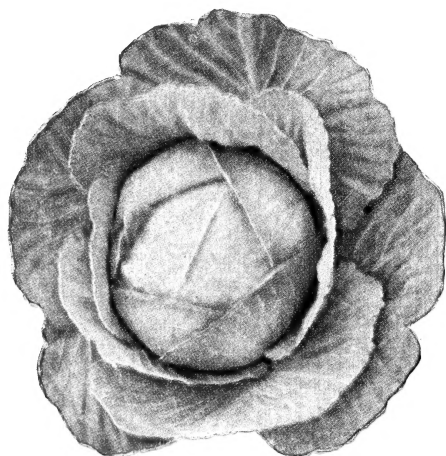
Great Falls, Montana



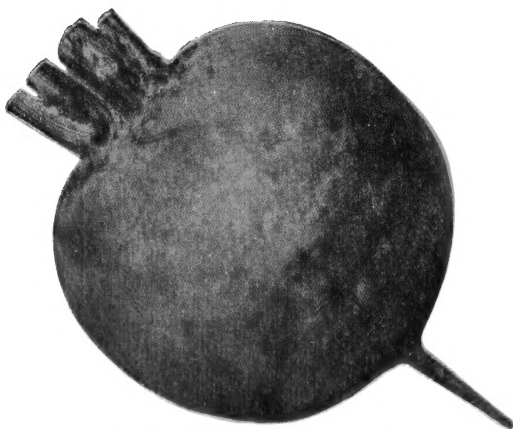
## Plant a Vegetable Garden

The following vegetables are shown in the above picture:

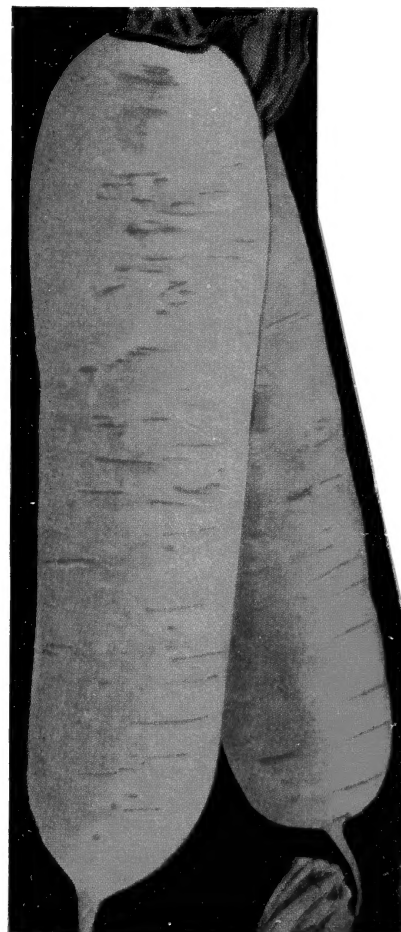
- Carrot—Danvers Half-long.
- Turnip—Purple Top White Globe.
- Pepper—Bull Nose.
- Watermelon—Cole's Early.
- Cauliflower—Snowball.
- Cucumber—Graham and Ross Special.
- Beans—X-L Stringless Wax.
- Tomato—Break O'Day.
- Radish—Sparkler.
- Celery—X-L Pascal.
- Corn—X-L Tender Gold.
- Muskmelon—Hale's Best.
- Parsnip—Short Thick.
- Peas—Laxtonian.
- Head Lettuce—New York.
- Beet—Detroit Dark Red.
- Onion—Mountain Danvers
- Green Pepper—California Wonder.
- Leek—London Flag.
- Squash—Straight Neck.



X-L GREEN ACRE CABBAGE. Pkt. 15c.



X-L GOOD FOR ALL BEET. Oz. 20c.



### X-L TOUCHON CARROTS

Carrots are exceedingly high in Vitamin A and should be eaten daily, either cooked or raw. Touchon, a comparatively new variety, is unexcelled for sweetness and flavor.

Pkt. 10c; ½ oz. 30c.



## GREAT FALLS, MONTANA

**OVER**



# OUR PART IN

## 1943

# Dig for Victory

## PLANT FOR PEACE

We feel that very little time need be spent in urging that more and BETTER gardens be planted and grown in 1943. It is obviously everyone's duty to help produce as much of their own food as possible. We are glad that we can play such a vital part in this important phase of war work by helping to supply the instructions, tools, seeds, and fertilizers needed to make better Montana home and market gardens.

This is no time to experiment—only those varieties proven to be the best for our conditions should be planted. We have marked these in our catalog and eliminated the confusing and impressive use of adjectives that are so much a part of the average catalogue. Our customers indicated their approval of this innovation last year.

We would like to add that few forms of relaxation will be found to relieve the tension of "war nerves" as will a flower and vegetable garden—and what hobby pays such monetary dividends.

### Let's Make It Three V's For 1943

#### ★ VEGETABLES — VITALITY — VICTORY ★

Remember! Food from Your Garden Is Not Rationed

#### "ASTROLOGY FANS"

Are more numerous than we thought, and for this reason are again listing favorable planting dates, according to Moon Phases. This information is passed on to those interested. We assume no responsibility in the arguments as to whether the idea has merit. Complete table is reprinted on page 15.

### SHIPPING INSTRUCTIONS

Zone	Distance up to	For First Pound	Each Pound Additional
1st and 2nd .....	150 miles	8c	1c
3rd .....	150- 300 miles	9c	2c
4th .....	300- 600 miles	10c	4c

In estimating parcel post charges be sure to make allowance for packing. A fraction of a pound takes full pound rate.

**Postage Prepaid.** Unless otherwise stated, we pay postage on all seeds and bulbs quoted in this catalog. On orders of larger quantity at "not prepaid" prices stated in such cases it will be necessary for you to send postage extra if you want it by parcel post, but if it is to be sent by freight or express, you can pay the transportation charges at your freight or express office when you receive the goods.

#### NON-WARRANTY NOTICE IN COMMON WITH ALL AMERICAN SEED HOUSES

GRAHAM & ROSS MERCANTILE COMPANY do not give and their agents are expressly forbidden to give any warranty expressed or implied as to the contents or the description, quality, productiveness or any other matter of any Seeds, Bulbs, Plants, Shrubs, Trees or Vines sold by us, and will not, in any way, be responsible for the crop. If the purchaser does not accept these goods on the above terms, no sale is made thereof, and he must return them at once and money will be refunded. Subject to the above conditions, we make this sale!

**Delays in Shipping.** This year we don't expect to be able to maintain our usual prompt shipments. Orders will be filled in rotation as received. If you shop in person, please make out an order and bring it with you, as it will speed up clerking operations tremendously.

We also suggest that you list substitute items when ordering steel goods.

**Special Note.** If it is necessary for us to return money, please indicate on your order blank that we may send **War Stamps.** All prices in this catalogue subject to change without notice and stock unsold. If price has changed order will be filled for amount of remittance.

#### DIVIDED SHIPMENTS

Potatoes, vegetables and flower plants, bulbs and nursery stock will be shipped separately. Usually after April 1st. When items such as these are ordered a notation will accompany the seeds or first part of the order shipped.

#### SEND US PICTURES

We are glad to have your reports—good or bad. And especially welcome pictures. Beginning this year we will pay \$1.00 in cash for each snapshot we can use.

## VEGETABLES FOR VICTORY

## DAILY VITAMIN NEEDS

Age Groups	International and Sherman Units			
	A	B1	C	G
Adults .....	6,000	500	1,500	600
Adolescents .....	6,000	500	1,500	600
Children .....	5,000	400	1,200	540
Children, under 4 .....	4,500	200	1,000	450

VITAMIN AND MINERAL VALUES IN ½-CUP SERVINGS  
(3.5 oz.)

Vegetables	Vitamins			
	International and Sherman Units			
	A	B1	C	G
Asparagus .....	700	70	700	40
Beans, Green .....	1,000	25	300	40
Beets .....	35	.....	100	50
Beet Greens .....	12,000	.....	1,000	150
Broccoli .....	9,000	37	1,400	75
Brussels Sprouts .....	200	60	1,500	.....
Cabbage .....	100	25	1,200	20
Carrots .....	2,100	20	100	20
Cauliflower .....	30	50	1,500	35
Celery, Bleached .....	10	10	100	.....
Celery, Green .....	1,000	10	100	10
Chard .....	9,000	.....	750	30

VITAMIN AND MINERAL VALUES IN ½-CUP SERVINGS  
(3.5 oz.)

Vegetables	Vitamins			
	International and Sherman Units			
	A	B1	C	G
Corn, Yellow .....	500	45	200	20
Cucumber .....	20	15	200	8
Eggplant .....	35	15	200	10
Endive .....	15,000	28	400	40
Kale .....	20,000	50	2,500	200
Lettuce, Head .....	100	25	250	15
Lettuce, Loose-leafed .....	4,000	25	250	75
Lima Beans, Green .....	500	115	600	100
Mustard Greens .....	13,000	45	2,500	375
Onions .....	.....	25	275	28
Peas .....	1,000	140	500	65
Peppers .....	5,000	10	2,500	40
Potatoes, White .....	30	40	250	15
Spinach .....	25,000	40	1,500	125
Squash, Summer .....	1,000	15	.....	5
Squash, Winter .....	4,000	15	100	25
Tomato .....	1,000	25	450	15
Turnip .....	20	12	600	12

## ASPARAGUS

1 oz. to 100 ft.

When starting an asparagus bed from seed, it is advisable to soak the seed for 24 hours before planting. This makes germination more rapid and certain. Sow in spring in rows about 18 inches apart, allowing 15 to 20 seeds to the foot. Cover 2 inches deep. When plants are well established, thin to about an inch apart. Hoe frequently during the summer. The plants will be ready to set in a permanent bed the following spring.

## 2—MARY WASHINGTON SEED†

Pkt., 10c; oz., 25c.

## ASPARAGUS ROOTS

To start a bed it is only necessary to set out the roots on good soil and give them ordinary care to keep weeds down, etc. No special preparation of the land is necessary. It should be plowed or spaded deep and worked down well and should be enriched by applying a heavy dressing of manure, which should be plowed or spaded in. The roots are set out 18 to 24 inches apart in the rows about 4 feet apart. One hundred roots make a good bed, but more should be set out for a large family. Cutting may commence the third year after setting out the roots. A small cutting may be made the second year if not continued throughout the season.

## 2A—MARY WASHINGTON 2-Year ROOTS†

Available from March 20th to April 10th. Doz. 50c; 50 roots, \$1.50; 100 roots, \$2.75, postpaid. Not postpaid, 50 roots, \$1.25; 100 roots, \$2.25. Asparagus Roots Must Be Ordered Early! Shipment made at proper time.

## 3—PARADISE

A new variety for which many claims are made, but which has not been grown widely enough as yet to prove whether they are justified. Compared to Mary Washington, it is supposed to produce a crop one year earlier, yields heavier and has a better flavor. Supplied in 2-yr.-old roots only. Per doz., 75c, postage 10c extra; per 50, \$2.25, postage 20c extra.

Inoculate all beans with  
Nitragin, 10c pkg.



## STRINGLESS BEANS

with crisp green or golden yellow pods, that smell like beans when they are on the table and give a solid, meaty crunch with each bite.

**Bean Cultural Notes:** Plant in rows about 24 inches apart, using 1 lb. to 100 feet. In our district beans should not be planted before May 20th at the very earliest if you want a continuous supply of really tender pods. Make successive plantings until July 1st. Keep surface soil soft. Do not cultivate when plants are in bloom or when vines are wet. Feed young plants twice with Vigoro or Plantone.

## YELLOW POD VARIETIES

## 4—X-L STRINGLESS WAX†

Pkt., 5c; ¼ lb., 15c; 1 lb., 40c, postpaid. Not postpaid, 5 lbs., \$1.40.

## 6—IMPROVED GOLDEN WAX

## 8—PENCIL POD BLACK WAX

Above two varieties—Pkt., 5c; ¼ lb., 15c; 1 lb., 35c, postpaid. Not postpaid, 5 lbs., \$1.05.

## GREEN PODDED VARIETIES

## 10—X-L GREEN STRINGLESS†\*

## 12—BOUNTIFUL

Above varieties—Pkt., 5c; ¼ lb., 15c; 1 lb., 35c, postpaid. Not postpaid, 5 lbs., \$1.05.

## POLE BEANS

Pole Beans are gaining in popularity because, once tried, they are never left out of the garden where sufficient room is available. Plant one week later than bush beans, putting 8 to 10 beans around each pole or stake, covering about 2 inches. When well started, thin to 4 or 6 plants. These beans yield more and produce longer pods. In our trials, planting with corn was not very successful.

## 14—KENTUCKY WONDER GREEN†

Pkt., 10c; ¼ lb., 15c; 1 lb., 40c, postpaid.

## LIMA BEANS

## 16—ENDERSON BABY LIMA

Pkt., 10c; ¼ lb., 15c; 1 lb., 40c, postpaid.

## NAVY BEANS

## 18—GREAT NORTHERN

## 20—SMALL NAVY

¼ lb., 10c; 1 lb., 25c, postpaid. Not postpaid, 5 lbs., 75c.

## EDIBLE SOY BEANS

**BANSEI**—The earliest variety yet developed. Is still in experimental stage for Montana. Edible soy beans contain 36.5% protein and 17.5% fats as compared with 22.7% protein and 1.5% fats in navy beans. Pkt., 10c; ¼ lb., 20c.

**BLACK FACE TYPE** indicates best varieties for Montana.  
†INDICATES good variety for canning.  
\*INDICATES good variety for freezer lockers.



## BEETS

Make at least two plantings so you can enjoy them while they are small and fine grained. 1 OZ. WILL SOW ABOUT

50 FEET

Plant in loose soil in rows about 15 or 18 inches apart. Thin first when about 2 inches high. Thinning may be repeated when tops are large enough to use as greens. For summer use, make the first sowing about the middle of April. For canning and winter use, sow after June 1st.

- 22—GOOD FOR ALL†  
 24—DETROIT DARK RED†  
 26—X-L IMPROVED EARLY EGYPTIAN†  
 28—EARLY BLOOD TURNIP

Price of all above varieties—Pkt. 5c; 1 oz., 30c; ¼ lb., 90c; 1 lb., \$2.75.

## MANGEL BEETS

1 oz. to 100 ft.—4-6 lbs. per acre

Valuable as a cheaply produced winter feed for poultry and stock. Plant in late April in rows 2½ feet apart, covering from 1 inch to 1½ inches. Thin early to 10 inches apart. Cultivate frequently.

### 30—X-L MAMMOTH

Long Red.

### 32—GOLDEN TANKARD

(Yellow).

### 34—HALF SUGAR MANGEL

(White with Red Top).

Prices of all above mangels—1 oz., 12c; ½ lb., 65c; 1 lb., \$1.15. 5 lbs., \$5.25, not postpaid.

## SUGAR BEETS

### 36—KLEIN WANZLEBEN

1 oz., 10c; ½ lb., 65c; 1 lb., \$1.25, postpaid.

## SWISS CHARD

Culture—Same as beets

Use the dark crumpled leaves for greens and the large white stalks in the same manner as Asparagus. Stalks may be canned for winter use.

### 38—LUCULLUS

Pkt., 5c; oz., 20c; ¼ lb., 60c.

## BROCCOLI

With the information that green sprouting Broccoli is so much richer in Vitamin A than Cauliflower, and because it is easier to grow, this tasty vegetable has developed new importance. Transplanting is not necessary unless your altitude is much higher than Great Falls. Sow seed in open ground, thin plants to 4 inches and keep cutting heads as they appear, thus getting them at their tenderest age. Make two or three sowings to harvest a continuous crop.

### 40—GREEN SPROUTING

Pkt., 10c.

## BRUSSELS SPROUTS

These plants, which are miniature cabbages formed on a plant stalk, are becoming more popular each year as more people become familiar with them. Culture is the same as cabbage.

### 42—X-L LONG ISLAND IMPROVED

Pkt., 10c; ½ oz., 40c; 1 oz., 65c.

## CABBAGE

Crisp, tight heads for salads and coleslaw during the summer; large, solid, good keeping heads for winter and to use for kraut.

A package produces about 75 plants and 1 oz. about 1500 plants.

Sow inside in boxes during the last half of March; transplanting when all danger of killing frost is over. Plants should be set 18 inches apart each way for early varieties and 2 feet each way for later types.

## *A New, Early Cabbage*

### 24—GREEN ACRE

A new and delicious salad and cooking cabbage for summer and early fall use. Small, fine ribbed heads of rich, green color that does not fade even in the hot sun; an important fact, not only from appearance standpoint but because vitamin content is higher in dark leaves. Pkt., 15c; ½ oz., 45c; 1 oz., 85c.

### 44—GOLDEN ACRE

Small round head.

Extra early. Pkt., 10c; oz., 50c; ¼ lb., \$1.70, postpaid.

### 46—EARLY JERSEY WAKEFIELD

Pointed head. Early. Pkt., 5c; oz., 35c.

### 48—COPENHAGEN MARKET

Round head. Medium early. Pkt., 10c; oz., 45c; ¼ lb., \$1.55; 1 lb. \$5.50.

### 50—EARLY FLAT DUTCH

Flat head. Medium early. Pkt., 10c; oz., 35c.

### 52—DANISH BALLHEAD

Short stem. Round head. Late. Pkt., 10c; oz., 40c; ¼ lb., \$1.35; 1 lb., \$4.75.

### 54—PREMIUM LATE FLAT DUTCH

Pkt., 10c; oz., 35c; ¼ lb., \$1.10; 1 lb. \$4.50.

### 56—MAMMOTH RED ROCK

If you are a cook with an experimental frame of mind and want to provide a new flavored vegetable for your table, try red cabbage. Use it for salads, slaw, boiled or, if you are a real connoisseur, try the old German cooks' favorite of red cabbage baked with goose. Pkt., 10c; ½ oz., 20c.

### 58—AMERICAN SAVOY CABBAGE

Its crumpled leaves have a distinct flavor. Flat head. solid. Pkt., 10c; ½ oz., 20c.

### 60—CHINESE OR CELERY CABBAGE

This vegetable is very easily raised in a home garden. If you are unfamiliar with its delicious flavor when used in a fresh salad, we urge you to try it. Pkt., 10c; ½ oz., 20c.

## CELTUCE

The new combination celery-lettuce vegetable. In originators packets. Per pkt., 15c.

## HARDY CABBAGE PLANTS

Golden Acre, Wakefield, Copenhagen, Ballhead, and Late Flat Dutch. Postpaid prices: 25—38c; 100—\$1.25. Prices at Great Falls: 25 or more—1c each; 500 or more—85c per hundred. All plants are true to type. Have been hardened off so that there is very little danger of losing them at transplanting time.

BLACK FACE TYPE indicates best varieties for Montana.

†INDICATES good variety for canning.

\*INDICATES good variety for freezer lockers.





Nick Poncellet Jr., market gardener making a morning delivery.

## TENDER CARROTS

One ounce will sow 75 ft. of drill; 4 pounds for an acre.

**Culture**—One of the few crops that will do well in all soils though a good, deep, friable loam will produce the best looking roots. For an early supply, sow seeds of early sorts ½ inch deep as soon as the soil can be dug, placing rows 18 to 24 inches apart and thinning out seedlings to stand 2 to 3 inches apart in the row. Make repeated sowings every 2 weeks.



### 62—TOUCHON†\*

A New Sweet Carrot

It is sweet, tender, fine grained and fiberless even when it has reached its full size of about 6 x 1½ inches. Pkt., 10c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$4.00.

### 64—RED CORED CHANTENAY†\*

### 66—DANVERS HALF LONG

### 68—OXHEART

### 70—LONG ORANGE

Prices of above carrots—Pkt. 10c; oz., 40c; ¼ lb., \$1.20; 1 lb., \$3.85.

## CAULIFLOWER

Package produces about 35-50 plants; 1 oz., 3,000 plants.

The same methods that produce good cabbage will grow good cauliflower. The only great difference is that cauliflower heads must be protected from sunlight so as to make sure of the desirable white curd. Gather the tops of the leaves together loosely as soon as the heads begin to form. In shutting off the light, it is important not to cramp the heads.

### 72—EARLY SNOWBALL

Pkt., 15c; ¼ oz., \$1.00; 1 oz., \$3.50.

### 73—Extra Select Snowball

Market gardener's strain. Pkt., 35c; ¼ oz., \$1.50; 1 oz., \$4.50.

### 74—DRY WEATHER

Pkt., 15c; ¼ oz., \$1.10; 1 oz., \$3.75.

## SNOWBALL CAULIFLOWER PLANTS

All plants are "hardened off" so the danger of freezing is reduced. Plants available after April 15th. Prices at Great Falls, dozen, 20c; 50, 80c; 100, \$1.50. Prices postpaid, dozen, 35c; 50, \$1.00; 100, \$1.75.

## CELERY

**Culture**—Celery seed is very slow to germinate. Plant seed in the hotbed. When three inches high, transplant four inches apart in finely pulverized rich soil. In June or July transplant 6 or 8 inches apart in rows three feet apart. Celery requires a great deal of water from the time the seed is sown until it is pulled. To blanch, draw earth around the plants, or boards or paper may be used. An ounce will produce about 5000 plants. For home gardens we suggest using plants, following culture above for transplanting and blanching.



### 76—PASCAL

### *An Early, Green Celery*

In our opinion this is the finest quality celery grown. The stems are so thick, tender and without strings, that even the unblanched outside stalks are surprisingly fine. They have a rich full flavor that is seldom found in celery. The plant is not tall, but robust. The stems to the first joint are exceptionally long (8 to 9 in.). The inside stems grow long also, making a thick, solid plant. It blanches to a pure white. Pkt., 10c; ½ oz., 40c; oz., 75c.

### 78—GOLDEN SELF BLANCHING

Pkt., 10c; ½ oz., 30c; oz., 50c.

### 80—PASCAL CELERY PLANTS

The easiest and surest way for the home gardener. Have soil in trench wet when transplanting and fertilize later with ammonium sulphate or nitrate of soda. See cultural directions for blanching method.

Plants—25c doz.; 50, 85c; 100, \$1.50, f. o. b. Great Falls. Postpaid—40c doz.; 50, \$1.00; 100, \$1.75.

## CELERIAC

### 82—LARGE SMOOTH PRAGUE

This turnip rooted celery produces large tubers nearly globe shape and with quite a smooth surface. Culture is the same as celery. Pkt., 10c.

## Rhubarb Swiss Chard

83—In originator packages—each 15c.

## CHICORY

### 84—WITLOFF

(French Endive)—Sow inside and transplant when all danger of frost is past and lift roots in fall; cut off top; pack closely together in boxes and cover with six inches of peat moss or light sand and keep in warm place. When the sprouts break through the surface, they are ready for the table. Pkt. 10c.

### 86—COFFEE ROOTED

Roots are cut in thick slices, roasted and used as coffee; in spring, leaves make good salad. Pkt., 10c.

Moccasin, Montana.

Last year was my first year of gardening and I hardly knew where to select my seed. I had heard your company was a reliable one so decided to order from you. My garden came up beautifully. The plants were hardy and upon maturity were of exceptional quality and flower—especially the carrots.

This year there is not a bit of doubt in my mind about where to order seed—Graham & Ross.

MRS. RUSSELL HODGE.

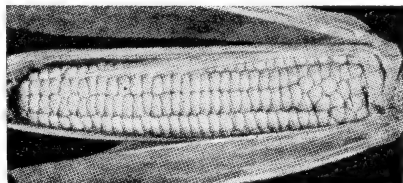
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\*INDICATES good variety for freezer lockers.



## SWEET CORN

Steaming, golden yellow ears — full of Vitamins and full of flavor and goodness too — if you serve it within a half hour after picking.

We suggest that you make several plantings about two weeks apart for a continual crop. One lb. plants approximately 400 hills; 8 lbs. to the acre in check rows or 12 lbs. drilled in rows.



### 87—GOLDEN HUMMER

One of the most popular of the large, early sweet corn. A good variety for the home gardener because of its flavor and size and very profitable for the market gardeners because of its earliness. Ears average 7 to 8 inches long with 12 to 14 rows of golden yellow kernels. Pkt., 5c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 45c postpaid; 5 lbs., \$1.25 not postpaid.

### 88—GOLDEN SUNSHINE

A few days later than Golden Hummer, but an established favorite among many home gardeners. Ears will average about 7 inches in length with 12 rows of kernels all well filled. Delicious flavor. Pkt., 5c; ¼ lb., 15c; ½ lb., 23c; 1 lb., 40c postpaid; 5 lbs., \$1.35 not postpaid.

### 90—X-L STRAIN GOLDEN BANTAM†\*

An early strain bantam especially adapted to our mountainous regions. Genuine 8 row Golden Bantam is still the most popular sweet corn for both home and market gardeners. Pkt., 5c; ¼ lb., 15c; ½ lb., 25c; 1 lb., 35c postpaid; 5 lbs., \$1.20; 10 lbs., \$2.30 not postpaid.

## HYBRID SWEET CORN

Accepted by many as the ideal sweet corn because of the deeper, tastier kernels and usually outyields regular corn about 4 to 1.

### 92—TENDERGOLD†\*

7 to 8 inch ears are filled with 10 to 14 grains of large size sweet flavored kernels. Resistant to wilt and bacterial diseases. Very heavy yielding. ¼ lb., 20c; 1 lb. or more, 55c postpaid.

### 94—GOLDEN TREASURE†

The earliest Hybrid Sweet Corn. Compared to regular Golden Bantam it is about 2 weeks earlier; produces 35% more shaven corn per ear; 12 rowed, kernels deep. Above average in sweetness. ¼ lb., 25c; ½ lb., 35c; 1 lb., 65c postpaid.

NOTE: Seed from Hybrid corn should not be sown after the first year of planting.

## POPCORN

### 96—DYNAMITE OR T. N. T.

Large yellow kernels on 12 to 14 row ears which usually run 6 to 7 inches long. When popped, it is entirely free of hard centers. Pkt., 5c; ¼ lb., 15c; 1 lb., 40c, postpaid.

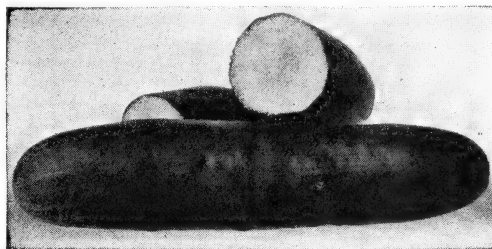
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## CUCUMBERS

Culture—Cucumbers grow best in a rich warm sandy loam. Sow seed when danger of frost is past, in hills four or five feet each way. Sow thickly half an inch deep, and thin out to three or four plants to the hill. An ounce of seed will plant 50 hills. White spined varieties retain their green color even when large. The black spined turn yellow as they get old.



### GRAHAM & ROSS SPECIAL CUCUMBER

An unusually fine cucumber in the larger type. Medium early, about twelve inches long and two and one-half inches in diameter, firm, crisp and of good flavor.

### 110—GRAHAM & ROSS SPECIAL

Pkt., 10c; oz., 25c; ¼ lb., 85c; 1 lb., \$2.65.

### 100—CHICAGO PICKLING†

For dills—4-6 inches. Black spine.

### 104—X-L DARK GREEN

8-10 inches.

### 106—EARLY WHITE SPINE

Dills and slicing. 7-8 inches.

### 108—DAVIS PERFECT

Dills and slicing. 7-8 inches. White spine.

### 112—IMPROVED LONG GREEN

10-12 inches. Slicing, pickling, market. Black spine.

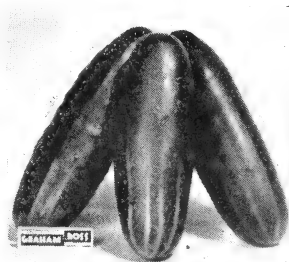
### 114—EARLY FORTUNE

7-9 inches. White spined.

Prices on all cucumbers except Graham & Ross Special and Straight Eight: Pkt., 10c; oz., 20c; ¼ lb., 75c; 1 lb., \$2.25 postpaid.

### 102—STRAIGHT EIGHT

A very prolific new Cucumber. One of the best new kinds that has been offered in many years. The cucumbers are about eight inches long when ready to use, always straight, very cylindrical, smooth and with blunt ends. The color is medium dark green with green rays at the blossom end. The vines are healthy and produce a large number of fine fruit. An excellent slicer, very attractive in appearance and of fine quality. White spine.



### 102—STRAIGHT EIGHT

Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50 postpaid.

Galata, Montana,

Sirs:

Will you please send me information concerning baby chicks now available. I was very well pleased with the seeds which I purchased from you last spring and the prompt way in which my order was filled.

Very truly yours, MRS. HERGERT FENGER.

## CRESS

### 116—CURLED OR PEPPER GRASS

Leaves used for garnishing and for flavoring salad. Pkt., 10c.

### 118—TRUE WATER CRESS

Small oval shaped leaves. This plant will grow best when sown in the spongy land adjoining small streams. Pkt., 10c.



## Egg Plant

Culture same as tomatoes but the seed should be started earlier as it takes longer to germinate. Dipped in beaten egg and rolled in cracker crumbs and fried, it will provide a delicious variety from the ordinary run of garden vegetables.

### 120—BLACK BEAUTY

This variety will often produce 6 to 7 beautiful fruits to a plant. Well adapted to our conditions. Pkt., 10c.

For the home gardener we recommend using plants. See page 12.

## ENDIVE

A packet of seed will sow 10 feet of row; 1 ounce 100 feet.

Endive makes excellent salads, especially in autumn and winter. It is easily grown and takes little space in the garden. Sow in rows 18 in. apart, thinning the plants to a foot apart. For fall and winter use the seeds should be sown about July 1st. To blanch, draw the outer leaves over the center and tie them or they may be blanched by placing a narrow board down the center of the row over the heads. This should be done when the plants are nearly full grown. It is best to blanch a few at a time for family use.

### 122—GREEN CURLED

Hardy and vigorous. Leaves glossy green but will blanch to a liquid white. Pkt., 5c; oz., 20c; 1/4 lb., 65c.

### 124—BROAD LEAVED BATAVIAN

The "head lettuce" of the endive family. Leaves thick and buttery in texture. Pkt., 5c; oz., 25c.

## GARLIC

### 126—SEED GARLIC

Sound bulbs especially selected for planting. Bulbs should be divided and cloves set same as onions. Should be taken up in the fall and stored in a cool dry place. Bulbs, 1/4 lb., 25c; 1 lb., 75c, postpaid.

## KOHL-RABI

Sow thinly in rows like a root crop. Allow a foot between the rows and cover seed 1/2 inch deep. Thin seedlings to stand 4 inches apart in the row. Use when bulbs are about 2 1/2 inches in diameter.

### 128—EARLY WHITE VIENNA

Pkt., 10c; 1/4 oz., 50c.

I liked your seed and service fine. Please send me your catalogue this year.

Grass Range, Mont.

MRS. M. ABBOTT.

## THE HERB GARDEN

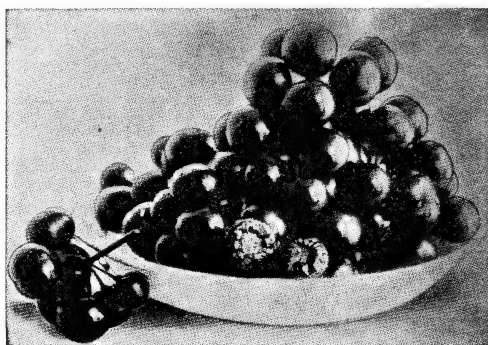
Bring your culinary garden up to date with these indispensable plants.

Herbs are very interesting and useful plants. Every home garden should include its herb bed or border and where space is limited they may be grown right amidst the annual and perennial flowers.

- |                    |            |
|--------------------|------------|
| 130—CARAWAY        | 132—DILL   |
| 134—SWEET MARJORAM | 136—SAGE   |
| 140—SUMMER SAVORY  | 138—THYME  |
| 144—LAVENDER       | 142—CATNIP |
| 146—ROSEMARY       |            |

Price of all Herbs, 10c pkt. Dill, per oz., 20c.

## GARDEN HUCKLEBERRY



This new fruit is easier to grow than tomatoes, culture being practically the same. Bushes are about two feet high, well branched, and loaded with berries, which when ripe are a dark purplish color. They make delicious conserve and are good if stewed, but should be cooked with a small amount of some other fruit such as apple or lemon added. Garden Huckleberry pie when properly made will meet with the approval of the entire family. Pkt., 10c; 1/4 oz., 45c.

## KALE

Culture—This vegetable is sown for use as greens. Seed may be sown early in May in rows 3 feet apart and thinned to 12 inches apart. Quality is improved by light frosts.

### 148—DWARF SCOTCH CURLED

Pkt., 10c; oz., 35c.

## LEEK

Culture is practically same as onions but earth is pulled around stalks instead of away from them. Has a very mild onion flavor and may be used in salads, boiled or eaten raw like green onions.



### 150—GIANT MUSSELBERG

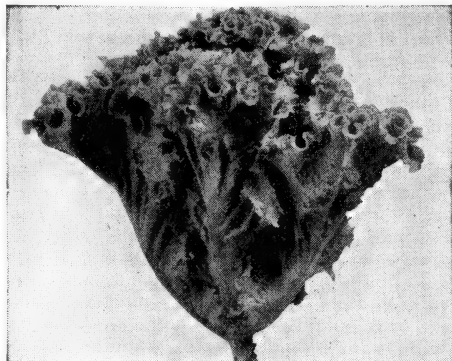
Pkt., 10c; 1/2 oz., 65c.

BLACK FACE TYPE indicates best varieties for Montana.

†INDICATES good variety for canning.

\*INDICATES good variety for freezer lockers.

## LETTUCE



Both head and leaf varieties should come crisp and fresh from your own garden.

### LEAF VARIETIES

**Culture**—Sow as early as ground warms in spring, covering not more than  $\frac{1}{4}$  to  $\frac{1}{2}$  inches. Thin to 4 inches apart. Keep ground loose and moderately moist.

#### 151—OAK LEAF

Small, tender leaves of deepest green, richer in Vitamin A. Does not turn bitter in hot weather, but retains its finer flavor. Pkt., 20c;  $\frac{1}{2}$  oz., 35c.

#### 152—GRAND RAPIDS

#### 154—PRIZEHEAD

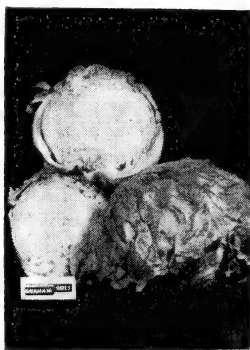
Brown tinged leaves.

#### 156—BLACK SEEDED SIMPSON

#### 158—EARLY CURLED SILESIA

Price of all leaf lettuce except Oak Leaf—Pkt., 10c; 1 oz., 20c.

## HEAD LETTUCE



Head lettuce may be started in hot beds or flats indoors and transplanted like cabbage or it may be sown in the open ground. Regardless of method it must be thinned or reset to at least 1 foot each way in the rows. Hot weather sometimes causes the heads to shoot to seed and to avoid this it is advisable to get plants permanently located as early in the spring as possible. Fall crops are very successful—setting or thinning the plants about August 5th-10th.

#### 160—NEW YORK NO. 12

Pkt., 10c;  $\frac{1}{2}$  oz., 20c; 1 oz., 35c;  $\frac{1}{4}$  lb., \$1.20.

#### 162—ICEBERG

Pkt., 10c;  $\frac{1}{2}$  oz., 15c; 1 oz., 25c.

#### 164—IMPROVED HANSON

Pkt., 10c;  $\frac{1}{2}$  oz., 15c; 1 oz., 25c.

#### 166—ROMAINE OR COS LETTUCE

This type of Lettuce is very successful for growing during even the hot summer months when other kinds are bound to "shoot" to seed. They require the same cultural treatment and produce nicely folded heads which have an appetizing, piquant flavor.

Pkt., 10c;  $\frac{1}{2}$  oz., 20c.

**BLACK FACE TYPE** indicates best varieties for Montana.

†INDICATES good variety for canning.

•INDICATES good variety for freezer lockers.

## MELONS

### MUSKMELONS

Sow when the ground has become thoroughly warm, in hills 5 to 6 feet apart each way. A few shovelfuls of well-rotted manure should be incorporated in each hill. Scatter 12 to 15 seeds on top of each hill and cover about  $\frac{1}{4}$  inch deep. Thin out to three or four strongest plants per hill. One ounce for 25 hills.



#### 168—HALE'S BEST

By planting Hale's Best you can enjoy delicious fine ripened muskmelons. Melons are rather oval shaped, medium size with exceptionally thick flesh. An attractive salmon color. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 60c.

#### 170—EXTRA EARLY HACKENSACK

An adapted variety that has been standard for many years. Pkt., 10c; oz., 20c.

### WATERMELONS

You can grow them—and you'll like 'em.

**Culture**—Rich, rather sandy soils produce the finest crops of watermelons, but a well-drained loam, especially with a southern exposure, is also suitable. Place 6 to 8 seeds in a circle in each hill, and cover  $\frac{1}{2}$  inch deep with fine soil. One ounce will plant 20 hills.

#### 172—X-L NORTHERN SWEET

Small but sugary flavored. Matured fruits are round, averaging 6 to 8 pounds. Flesh dark red, rind gray-green with darker striping. Pkt., 10c; oz., 25c.

#### 174—COLE'S EARLY

Early, bright red flesh, black seed. Pkt., 5c; oz., 15c.

## MUSTARD

#### 176—SOUTHERN GIANT CURLED

Mustard greens are preferred by many discriminating people. Leaves are large, light green, with a mild agreeable flavor. Pkt., 5c; oz., 15c.

## OKRA

Okra pods are used in soups, stews and salads. It is a hot weather plant, but can be grown in the North much like corn, the plants being started indoors in paper pots. The pods should be gathered each day while still tender and pulpy.

#### 178—DWARF LONG POD

Low, bushy and productive. Pkt., 10c.

## SPEED UP THESE CROPS



Okra, Muskmelons, and Watermelons three weeks earlier when you use Hotkaps. Other crops that are immensely benefited are cucumbers and squash. Hotkaps are economical. A home gardener's package of 25 with a paper setter costs only 50c and you get 100 "kaps" with a steel setter and tamper for only \$1.95. 2 lbs., F. O. B. Great Falls. See page 37.

### ONIONS

One ounce of Onion seed for 75 feet of drill, 1 pkt. to 8 feet.

**Culture**—Seeds may be sown early in the spring in rows 18 inches apart, and as soon as seedlings are 3 to 4 inches tall they should be thinned out to stand 3 to 4 inches apart in the row. Pull when tops begin to die down, cure, and sell, or store in a cool, dry place.

Onion seed may be sown in July for late Fall green onions, and for early green onions the following spring. In pulling green onions just thin to 3 or 4 inches apart, the remaining onions will produce large, mature bulbs.

#### 180—WHITE GLOBE

Pkt., 10c; oz., 65c; ¼ lb., \$2.15; 1 lb., \$6.50.

#### 182—WHITE PORTUGAL OR SILVER SKIN

Pkt., 10c; oz., 65c; ¼ lb., \$2.15; 1 lb., \$6.50.

#### 184—YELLOW GLOBE DANVERS

Pkt., 10c; oz., 60c; ¼ lb., \$2.00; 1 lb., \$5.50.

#### 186—X-L MOUNTAIN DANVERS

Pkt., 10c; oz., 85c; ¼ lb., \$2.85; 1 lb., \$8.50.

#### 188—SWEET SPANISH—RIVERSIDE

Pkt., 10c; oz., 70c; ¼ lb., \$2.50; 1 lb., \$7.25.

#### 190—PRIZETAKER

Pkt., 10c; oz., 70c; ¼ lb., \$2.40; 1 lb., \$7.25.

#### 192—WHITE PICKLING ONIONS†

Stay firm in jar. Pkt., 10c; oz., 60c.

### ONION SETS

X-L Montana grown sets are graded to remove the large ones. This permits a greater number per quart and reduces the cost considerably.

#### 194—YELLOW BOTTOM SETS

Postpaid 33c quart; 4 quarts \$1.15; not postpaid 25c quart.

#### 196—WHITE BOTTOM SETS

Postpaid 38c quart; 4 quarts \$1.35; not postpaid 30c quart.

### Bermuda Onion Plants

Genuine Bermuda seed is sowed in southern Texas and the plants shipped to us when all danger of frost is past. These plants are set out and may be used for green table onions, but if left to mature will produce exceedingly large sweet onions. During the past few years many onions of the regular sorts or of the Sweet Spanish type have been grown in Washington and shipped into Montana and sold as Bermudas. We caution our customers to secure only fresh, live plants grown in Texas, if they wish to produce sweet onions. We can supply either Yellow Valencia or Crystal White plants. Approximately 100 plants to a bunch, 20c per bunch; 10 bunches, \$1.85; crate, 60 bunches, \$10.25, F. O. B. Great Falls. Postage, 10c per first bunch, 2c each additional bunch.

Notice—Count varies with size of plants and is not guaranteed.

### PARSLEY

Parsley, if sown in the open, should be planted thickly early in April, as it germinates slowly. Soaking the seed for a few hours in warm water will often hasten germination. When plants are well up, thin to 8 inches apart. Cut off leaves as used—new growth will appear which will be more curled. May be grown the year 'round in a window pot. 1 pkt. sows 10 feet.

#### 198—CHAMPION MOSS CURLED

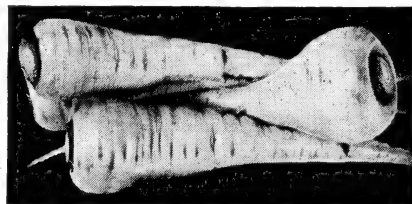
The finely curled leaves are a dark green in color and full flavored. Pkt., 5c; oz., 20c; ¼ lb., 60c.

#### 200—HAMBURG OR TURNIP ROOTED

The roots which resemble small parsnips are used for flavoring. Pkt., 5c; oz., 20c.

### PARSNIPS

One ounce of seed will sow 100 feet of drill. Sow as early in spring as conditions permit spacing drills 2 feet apart and covering seed about ½ inch deep. Thin the plants 4 to 6 inches apart.



#### 202—NEW SHORT THICK

We believe that this variety will appeal to the many home gardeners who complain that parsnips grow too long and are too hard to harvest. Tops are small; roots short and thick, having a diameter of about three inches and a length of only 6 to 8 inches at the thickest part. Considerably earlier than Hollow Crown or Guernsey. Does not have the deep set crown so familiar in other varieties. Pkt., 5c; oz., 20c; ¼ lb., 70c; 1 lb., \$2.00.

#### 204—HOLLOW CROWN

#### 206—GUERNSEY

Price on above 2 varieties—Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., \$1.80.

### PEAS

#### Are Rich in Sugar

Therefore they should be picked when young and tender and cooked at once. Smooth varieties are not as sweet but they can be planted earlier. Sow the early, smooth types as soon as you can work in the garden, then continue planting every 10 days or 2 weeks with the mid-season and finally plant the heavy yielding late varieties during the last of May. Sow in rows 2 feet apart; spacing the seed about 2 inches apart in the rows; cover seeds about 2 inches. Be sure to inoculate with Nitraquin before sowing.

#### 208—EARLY GILBO†

Heavy yielding early. Pkt., 10c; ½ lb., 25c; 1 lb., 40c, postpaid. Not postpaid, 5 lbs., \$1.35.

#### 210—X-L IMPROVED LAXTONIAN†\*

Also known as Laxton's Progress. The 1937 Year-book of the U. S. Department of Agriculture says that this is "the most highly evolved pea variety so far produced." It has a dwarf, dark green vine; is sturdy and self supporting. Pods are very large, straight and dark green. Laxtonian is early and heavy yielding. Flavor is good. This variety is just as ideal for the market grower as it is for the home gardener. Pkt., 10c; ½ lb., 25c; 1 lb., 40c; postpaid, 5 lbs. \$1.35 not postpaid.

#### 212—ALASKA

Earliest of all. Pkt., 10c; ½ lb., 20c; 1 lb., 35c, postpaid. Not postpaid, 5 lbs., \$1.10.

#### 214—BLISS EVERBEARING

Mid-season. Pkt., 10c; ½ lb., 20c; 1 lb., 35c, postpaid. Not postpaid, 5 lbs., \$1.15.

#### 216—DWARF TELEPHONE

Medium late. Pkt., 10c; ½ lb., 20c; 1 lb., 35c, postpaid. Not postpaid, 5 lbs., \$1.15.

#### 218—TALL TELEPHONE†\*

Late, fall vines. Pkt., 10c; ½ lb., 25c; 1 lb., 40c, postpaid.

Rudyard, Mont.

The seeds I bought of you were very satisfactory and your service was tops.

JOHN GREB.

BLACK FACE TYPE indicates best varieties for Montana

†INDICATES good variety for canning.

\*INDICATES good variety for freezer lockers.

PEPPERS

Like egg plants and tomatoes, peppers should be started indoors, as they take four to five months to mature. They are easy to grow, thrive in cool weather and will endure some frost. The plants should stand eight to eighteen inches apart in rows. They are constantly becoming more popular, both in salads and for use in cooking. A dozen plants will supply an average family. One packet produces 50 plants.

220—CALIFORNIA WONDER



This stump shaped pepper has flesh that is often 3/8 in. thick. Crisp, juicy, and of mild flavor. X-L strain was selected for its earliness; also the thick flesh keeps it from turning red sooner than some of the other varieties. Pkt., 10c; 1/2 oz., 30c; 1 oz., 50c, post-paid.

222—LARGE BELL OR BULL NOSE

224—RUBY KING

226—CHINESE GREEN

228—PIMIENTO

230—LONG RED CAYENNE

Prices on above Peppers: Pkt., 10c; 1/2 oz., 25c.  
Pepper plants provide an easy way for the home gardener to have plenty of peppers with very little work. See page 12.

PUMPKINS

Sow when the ground is warm and give the plants room to ramble. The partial shade of the sweet corn plot is ideal. A few hills will provide amply for pies and jack-o-lanterns.

232—EARLY SUGAR OR PIE†

This is the most widely used pumpkin. Fruits generally weigh about 7 lbs. Just right for home use. Flesh is rich orange, thick, sweet and finely flavored, which makes it the most desirable for pie making. Pkt., 5c; oz., 15c; 1/4 lb., 35c; 1/2 lb., 55c.

234—MAMMOTH KING

The largest pumpkin grown. Usually used for feeding purposes and as a novelty for fairs, etc. Pkt., 5c; oz., 15c.



POTATOES

Ready for shipment about April 1st. Please place orders early.

Our seed potatoes are grown on non-irrigated farms in the Red River Valley. It is our intention to provide seed from disease free stock. Our growers are very careful that bacterial ring rot is rogued out of the growing plants and while it is impossible to guarantee 100% free stock, we know that our customers' satisfaction during the years that we have been shipping it is absolute evidence that our seed is clean and will produce abundantly if conditions are in the least satisfactory.

CERTIFIED EARLY OHIO

An old favorite especially for the back lot gardener.  
236—Certified Seed. Per 100 lbs., \$5.00. Less than 100 lbs., 6c lb., F. O. B. Great Falls.

SELECT OHIO

237—Not Certified. Per 100 lbs., \$4.50. Less than 100 lbs., 5 1/2c per lb., F. O. B. Great Falls.

CERTIFIED BLISS TRIUMPH

Round tubers fairly heavy yielding and a quality cooker. Skin is pink colored.

238—Certified Seed. Per 100 lbs., \$4.75. Less than 100 lbs., 5 1/2c per lb., F. O. B. Great Falls.

WHITE WARBA

Developed and distributed by the University of Minnesota. Warba is an early variety that we offered for sale in this district in Montana two years ago. It has proven to be exceptionally outstanding among the early varieties in yielding ability. It resembles Bliss Triumph but is from seven to ten days earlier than either Triumph or Early Ohio. Tubers are short, round and blocky. Skin is white. Very uniform size. Vines are upright sturdy and resistant to mild mosaic. Mr. George Beardsley of Cascade says: "Warba is the best potato I ever raised."

239—Select Seed. Per 100 lbs., \$4.75. Less than 100 lbs., 5 1/2c per lb., F. O. B. Great Falls.

240—Certified White Warba. Not available.

CHIPPEWA U. S. D. A.

This medium variety out yields the old favorite main croppers such as Rural New Yorker, Netted Gem, and Green Mountain. The 1937 Agriculture year book describes it as follows: "Chippewa is being increased as rapidly as the available supply of seed stock will permit. It is medium early, has high yielding ability, and is widely adapted. It's superior qualities are resistance to mild mosaic, good shape, high yield, and early tuber development." Chippewa is white with very shallow eyes and an excellent cooker. We suggest that you use it as your main crop potato.

241—Select Chippewa. Per 100 lbs., \$4.50. Less than 100 lbs., 5 1/2c per lb., F. O. B. Great Falls.

INCREASE YOUR YIELD  
Treat your potatoes with Semesan Bel. See page 41.

PLANTING CHART FOR FAMILY OF FIVE

Vegetable	Seeds	Depth to Cover	Space Rows
Asparagus	1 oz.	1 in.	3 to 4 ft.
Beans, Bush	4 lb.	2 in.	2 ft.
Beans, Pole	1/4 lb.	2 in.	3 ft.
Beet	3 oz.	1/2 in.	18 in.
Brussels Sprouts	1 pkt.	1/4 in.	2 1/2 ft.
Cabbage	2 pkt.		2 1/2 ft.
Carrot	1/2 oz.	1/8 in.	2 ft.
Cauliflower	1 pkt.		2 to 3 ft.
Corn, Sweet	2 lbs.	2 in.	3 ft.
Cucumber	1 oz.	1/4 in.	4 ft.
Eggplant	1 pkt.		2 1/2 ft.
Endive	1 pkt.	1/8 in.	2 ft.
Leek	1 pkt.	1/8 in.	2 ft.
Lettuce	2 oz.	1/8 in.	2 ft.
Melon, Musk	1 oz.	1/4 in.	4 ft.
Onions	1 oz.	1/8 in.	18 in.
Onion Sets	2 qts.	1 in.	18 in.
Peas	3 lbs.	2 in.	2 1/2 ft.
Pepper	1 pkt.		3 ft.
Pumpkin	1 pkt.	1/2 in.	4 to 6 ft.
Radish	3 oz.	1/2 in.	18 in.
Rutabaga	1 pkt.	1/8 in.	2 ft.
Spinach	1 oz.	1/4 in.	18 in.
Squash	1 pkt.	1/4 in.	4 to 6 ft.
Swiss Chard	1/2 oz.	1/2 in.	2 ft.
Tomato	1 pkt.		3 to 4 ft.
Turnip	1/2 oz.	1/8 in.	2 ft.
Watermelon	1 pkt.	1/2 in.	6 ft.

BLACK FACE TYPE indicates best varieties for Montana.  
†INDICATES good variety for canning.  
\*INDICATES good variety for freezer lockers.



## CRISP RADISHES

The universal garden favorite, are easy to raise from early spring to late fall.

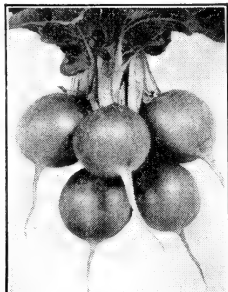
One ounce of seed will sow 60 to 75 feet

**CULTURE**—Earliest sowings may be made as soon as frost is out of the ground. Cover seed about 1/4 inch. After May 1st, continue by sowing White Icicle. After June 1st, select any of the summer varieties and around July 1st, sow the late but also large Winter Radishes for a fall and winter supply. All radishes, to do their best, should be thinned.

### EARLY VARIETIES

Also used for forcing

#### 246—EXTRA EARLY SCARLET GLOBE SELECT



Scarlet Globe Select Radish 50c; 1 lb., \$1.50.

Market gardeners find this variety the most successful for greenhouse, hot-bed, and outdoor planting. Very early, crisp, mild and tender. Rich bright scarlet in color. Uniform globe shape with a good top for bunching. In the home garden successive planting should be made every 10 days to two weeks except during July. Resume planting at the end of August for fall radishes. **Selected market garden stock.** Oz., 25c; 1/4 lb.,

#### 248—SAXA OR GLOWING BALL

Early red. Small top.

#### 250—EARLY SCARLET GLOBE

White tipped—good for bunching.

#### 252—SPARKLER

Globe shaped, upper half red, lower half white.

### MID-SEASON VARIETIES

For 2nd and 3rd plantings

#### 254—CRIMSON GIANT

All red, large, very firm and solid.

#### 256—WHITE ICICLE

Long white, firm.

#### 258—FRENCH BREAKFAST

#### 260—LONG SCARLET

Similar to Icicle except color.

Prices of all above Radishes except where marked: Pkt., 5c; oz., 15c; 1/4 lb., 45c; 1 lb., \$1.15.

Dust radishes with Garden Guard just as they are breaking through the ground to control small black flea beetle.

### WINTER RADISH

Seeds should be sown from late in June to August. These radishes are the largest of all and can be stored for some time for winter use. When pulled they should be covered with sand and kept in a cool place.

#### 262—BLACK SPANISH

Skin black and thick. Flesh crisp and white. Pkt., 5c; oz., 15c.

#### 264—CHINA ROSE WINTER

Skin light pink. Pkt., 5c; oz., 15c.

## RHUBARB or PIE PLANT

Roots can be raised from seed sown in the spring, and are ready to transplant to the permanent bed the next spring. Seedlings cannot be relied upon to reproduce the variety true to type no matter how carefully the seed is raised, so only the roots that produce the largest and best stalks should be used, the rest being discarded.

#### 266—MacDONALD

*A Fancy, New Variety*

LOW ACIDITY

**Roots only.** This remarkable variety is the most distinct improvement which has been made in rhubarb in a good many years. Originated a number of years ago at MacDonald College of McGill University at Montreal.

The stalks are very large and become a bright crimson color. They are tender, of excellent flavor and when cooked they make a beautiful deep pink sauce. The plant is high yielding, strong and robust. Never a green stalk.

We offer roots only of this variety. Although MacDonald sometimes puts up a seed stalk like other varieties it does not pollinate readily and we have never succeeded in harvesting any seed. **Root Divisions:** Ea., 50c; 3 for \$1.20; 10., \$3.50, transportation paid.

#### 268—VICTORIA SEED

A popular red strain of fine flavor. Pkt., 5c; 1/2 oz., 15c; oz., 25c.

#### 270—VICTORIA RHUBARB ROOTS

Two years old. All sound. Will yield abundantly next year after planting. **Per root, 15c; 8 roots, \$1.00.** Add Postage: First root, 8c; for each additional root, add 3c.

## RUTABAGAS

One ounce to 100 feet—2-3 pounds per acre.

**CULTURE**—Same as for other turnips, except that the seed is generally sown from the later part of June until August. The rutabagas or swedes are generally grown for their winter keeping qualities, for which they are better than the other turnips.

#### 272—AMERICAN PURPLE TOP

The best rutabaga both for table use and stock feeding. Has small tops and short neck. Roots globe shape, large size. Finest quality and an excellent keeper. Pkt., 10c; oz., 25c; 1/4 lb., 75c; 1 lb., \$2.25, postpaid.

### SALSIFY OR OYSTER PLANT

**CULTURE**—One of the most desirable winter vegetables, and one which deserves to be more used. Before sowing, the soil must be stirred to considerable depth. Sow early and quite deep. Frost does not hurt the roots, but a quantity should be stored for winter in a pit or cool cellar before the ground freezes. An ounce will sow 75 feet.

#### 274—MAMMOTH SANDWICH ISLAND

This variety is less liable to branch than most varieties, but coarse or fresh manure should not be used if smooth roots are wanted. Pkt., 10c; oz., 20c.

## SPINACH

Spinach delights in cool, moist weather. Seed should be sown at the earliest possible moment in spring in rows one foot apart and thinned to six inches in the row.

#### 276—BLOOMSDALE LONG STANDING

#### 278—KING OF DENMARK

#### 280—NEW ZEALAND SPINACH

Resists hot weather. Makes strong plants which will resist heat and give an abundance of green foliage during the entire summer and fall. Cannot stand frost.

Price on all Spinach: Pkt., 5c; 1 oz., 15c; 1/4 lb., 45c; 1 lb., \$1.25.

**BLACK FACE TYPE** indicates best varieties for Montana.

†INDICATES good variety for canning.

\*INDICATES good variety for freezer lockers.



More Flavor in Newer Varieties of

**SQUASH**

Rich in Minerals and Vitamin A

**SUMMER VARIETIES**

One ounce of seed for 20 hills

**CULTURE**—Sow at corn planting time, in well-manured hills, 1 inch deep, the bush varieties 4 feet apart each way, the winter sorts 10 to 12 feet each way, and thin out to 2 to 4 plants to the hill.

**282—VEGETABLE SPAGHETTI**

This summer type squash is easy to grow. Fruits vary from 7 to 12 inches and are from 4 to 7 inches thick. May be baked or boiled. Flavor is very good.

**284—ZUCCHINI**

Italian Marrow Squash

This variety belongs to the Cocozelle type. The fruits are 12 inches long and have a dark green skin, mottled and striped yellow at maturity. Thick, sweet, mealy, and tasty flesh.

When the fruits are small, parboil and fry the slices in butter. When they are larger, stuff with a meat loaf covered with tomato sauce or serve baked. Either way you will find it delicious and a new item to vary your menu.

**286—MAMMOTH SUMMER CROCKNECK**

A standard summer variety. Large dark yellow warted fruits. About 18 inches long.

**288—TABLE QUEEN**

A good keeping and excellent flavored summer squash. Fruits are small acorn shape; about 5 to 6 inches long and 4 inches in diameter. Should be baked whole and then cut. A half squash makes a nice size for individual servings.

**WINTER VARIETIES****290—BUTTERCUP**

This is our choice as the best flavored of all the new squash. Developed by the North Dakota Agricultural Experiment Station, it already is very popular in Montana. Fruits are green; flat in shape; 6 to 8 inches across and 4 to 5 inches thick. Seed is all in one end, eliminating waste in cooking. Flesh is golden, bakes very dry and is unsurpassed in richness and flavor. Keeps well.

**292—GREEN HUBBARD****294—GOLDEN HUBBARD****296—MARBLEHEAD**

Has the general shape of Hubbard Squash but the outer shell is a grayish-green color and comparatively smooth. Flesh is golden-orange and cooks very dry. Has been in great demand because of its keeping qualities.

Price on All Squash—Pkt., 10c; 1 oz., 20c; 1/4 lb., 60c; 1 lb., \$1.85.

Power, Montana

We used your garden seeds in 1942 for the first time. They were excellent and did very well. They proved to be a fine quality and produced abundantly. Will be in soon to pick out our 1943 seeds.

Very truly yours,  
OSCAR KJELLGREN.

BLACK FACE TYPE indicates best varieties for Montana.

†INDICATES good variety for canning.

\*INDICATES good variety for freezer lockers.

Pick Fresh, Juicy

**TOMATOES**

When You Want

Them From Early

July Until Frost

Nick Poncelet holding a vine of Break O'Day tomatoes. "Poncelet Grown" tomato plants are available. See page 12.



**CULTURE**—Start your early tomato plants indoors, allowing 4 to 6 weeks to produce plants for setting out. Sow the seed in February or March in hot beds or in shallow boxes in the house, in rows 4 to 6 inches apart and half an inch deep. When the plants are about 2 inches high, transplant into 3-inch pots or shallow boxes 4 inches apart each way. Transplant in the open ground when all danger of frost is past, 3 to 4 feet apart each way. Cultivate frequently. An ounce will produce about 2,000 plants.

**298—EXTRA EARLY BISON**

This tomato is of an exceptional value in Montana because it is extremely early and will do well with a limited amount of water. Of medium size and somewhat flatter than Earliana. Bison grows on a compact plant of self-pruning type. As much as 40 lbs. of ripe fruit is produced from one plant. Tomatoes are not uniform enough to be classed as good market variety, but for the home garden it cannot be beat. Seed supply very limited. Pkt., 10c; 1/2 oz., 30c; oz., 50c, postpaid.

**300—JOHN BAER**

Pkt., 10c; 1/2 oz., 30c; oz., 50c.

**302—EARLIANA**

Pkt., 10c; 1/2 oz., 30c; oz., 50c.

**304—BREAK O' DAY**

Pkt., 10c; 1/2 oz., 30c; oz., 50c.

**306—NEW MINGOLD**

1940 All-America Silver Medal Winner. An early yellow-fruited sort, introduced by the Minnesota Experiment Station. Of fine flavor, it fills the growing demand for Yellow Tomato Juice and sliced with the reds, makes a colorful salad. The fruits are medium large, nearly globular, solid, with thick walls and cross sections. Pkt., 10c; 1/2 oz., 35c.

**308—YELLOW PEAR**

A preserving variety with fruits about two inches long, pear shape. Pkt., 5c; 1/4 oz., 20c.

**310—GROUND CHERRY**

(Also known as Strawberry or Husk). Vines are low and spreading, producing small yellow fruit and loose husk. Of rich, sweet flavor. Pkt., 10c; 1/4 oz., 20c.

**TOMATO PLANTS**

For strong, husky plants see page 12

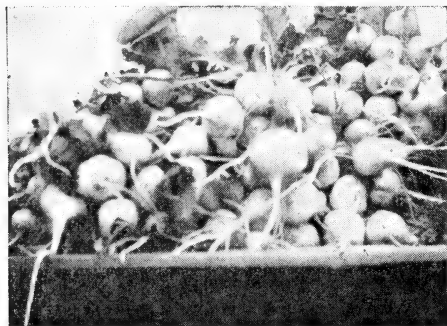
**TWISTEMS**

The easiest way to tie tomato plants, 8 inches long. Per box of 125, 25c. 16 inches long, per box of 125, 50c.

**FRUITONE**

Prevents blossom drop of tomatoes. Applied as a spray. Home garden size, \$1.00 postpaid.

## TURNIPS



One ounce will sow 200 feet of drill, two pounds for an acre.

**CULTURE**—For an early crop sow thinly 1/2 inch deep in the open ground in early spring, in drills 18 to 20 inches apart. Thin out seedlings to stand 3 to 4 inches apart. For succession sow every two weeks until May 15. For fall and winter use sow in July and August.

### 312—PURPLE TOP WHITE GLOBE

In our estimation this is the best turnip for general use and the best to store for winter. Grows large but retains its globe shape. Flesh pure white, sweet, and remains fine grained even after turnips have reached an immense size. Very heavy yielder.

### 314—EARLY SNOWBALL

### 316—EARLY PURPLE TOP MILAN

### 318—PURPLE TOP STRAP LEAF

Price on all Turnips—Pkt., 5c; oz., 15c; 1/4 lb., 45c; 1 lb., \$1.15.

## HARDY VEGETABLE PLANTS

**SHIPPING DATE**—All plants will be shipped, when to our judgment, danger of frost is over. If ordered with seeds or poultry supplies, balance of order will be filled and acknowledgment of plant order will be packed in shipment.

### ASPARAGUS ROOTS

See page 2 for description.

1 doz., 50c, postpaid; 50 for \$1.50; 100 for \$2.75.  
Not postpaid: 50 Roots, \$1.25; 100 Roots, \$2.25.

### CABBAGE

We grow the following varieties: Golden Acre, Copenhagen Market, Danish Ball Head, Late Flat Dutch and Early Jersey Wakefield.

	Not Postpaid			Postpaid	
	Per	Per	Per	Per	Per
	12	50	100	50	100
Cabbage .....	\$0.15	\$0.50	\$1.00	\$0.75	\$1.25

### CAULIFLOWER

Early Snowball	\$0.20	\$0.75	\$1.50	\$1.00	\$1.75
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### CELERY

Giant Pascal \$0.25 \$0.85 \$1.50 \$1.10 \$2.00  
No less than 50 of one variety of above plants shipped.  
Less than 50 may be purchased at store.

### CHIVES

Hardy perennial plants with a mild onion flavor.

Per bunch, 20c, postpaid.

### EGG PLANT

**NEW YORK IMPROVED.** Culture same as tomatoes. Strong transplanted stock. Each, 10c; doz., 75c. Postage and packing—1st plant, 10c; each succeeding plant 3c.

### MINT

Field grown Plants—15c each; 25c, postpaid.

### BERMUDA ONION PLANTS

See page 8.

### PEPPER PLANTS

Strong, sturdy California Wonder plants. Doz., 50c. Postage and packing, 15c per doz.

### VICTORIA RHUBARB

Large plants, may be cut following year. Each, 15c; 8 roots, \$1.00. Add postage: 1st root, 8c; add 3c for each additional root.

### MacDONALD RHUBARB

For description see page 10.

Each, 50c; 3 for \$1.20; 10 for \$3.50, postpaid.

### Kill Cut Worms Easily With ACME BAIT M

This new bait, made attractive to cutworms by adding Metaldehyde, is a sure and easy way to protect your plants. Bait M also kills snails, slugs and grasshoppers. 1 1/2 lb., 35c; 4 lbs., 85c. Add postage.

### TOMATOES

We can furnish the following varieties: Earliana, John Baer, Bison, and New Penn State. Please give second choice in these as we might be sold out of the first selection. Yellow Pear supplied only in 3-in. pots. The potted tomatoes are all rooted so there is no setback when transplanting. If you want really early fruit and lots of it, set the 4-inch potted after the 1st of June.

	Per Doz.	Post-Paid
Tomatoes—Bench Planted .....	\$0.50	\$0.80
Tomatoes—3-inch Potted .....	1.00	1.50
Tomatoes—4-inch Potted .....	1.50	2.50

NOTE—We recommend that 4-inch potted tomatoes be shipped by express. Please indicate on your order if this is convenient for you.

## STRAWBERRIES

### Ask for Cultural Sheet



Two or three hundred plants will supply a family of 5 with fresh berries all summer and produce enough for canning your winter requirements. Plants set in May will produce berries in late June or first of July.

We have eliminated all varieties in favor of the two listed below. They are absolutely outstanding.

**ROCK HILL.** This new strawberry is described in the U. S. Gov't Year Book of Agriculture as follows: "Everbearing, large, one of the best flavored berries in United States, disease-resistant, very hardy." Set a few of the plants this spring—eat a few of the berries and you will offer more praise than the Department of Agriculture. 25 plants, 75c; 50 plants, \$1.25; 100 plants, \$2.50. Postage, 25 plants, 10c; for each additional 25 plants add 2c.

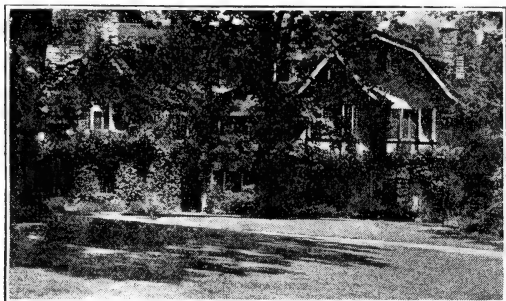
**GEM.**—The best flavored of all strawberries. Extra large, bright red color, and very productive. Fruits are well shaped and excellent keepers. This is an everbearing variety that is self pollinizing. 25—50c; 50—90c; 100—\$1.50; 500—\$6.00. Postage, 25 to 50 plants, 10c. For each 50 additional, add 2c.

**SPECIAL NOTE**—Please order strawberry plants early, as the length of time that we can hold them in the store is limited and we disappoint many customers each year. No order for less than 25 plants accepted.

Reg. U. S. Pat. Off.  
**TRANSPLANTONE**

Should be used when transplanting vegetables, flowers, shrubs, trees, etc. It will prevent root shock, wilting and setbacks. Home garden size, 50c.

**BLACK FACE TYPE** indicates best varieties for Montana  
†INDICATES good variety for canning.  
\*INDICATES good variety for freezer lockers.



# A BEAUTIFUL LAWN

## Sets Off The Home

Don't let the horrors of war deprive you of this morale upbuilder. As part of the Victory Garden campaign, you are urged to maintain old lawns and make new plantings where required.

## X-L BRAND GRASS SEEDS

- are adapted to Montana conditions.
- provide smooth, dark green turf

## X-L MIXED LAWN GRASS SEED

(HORMONIZED WITH ROOTONE)

For a close, heavy turf of permanent grasses, sow X-L Lawn Grass according to our directions. Composed of heavy, plump seeds of deep rooted perennials that withstand winter killing and summer heat. This mixture contains White Dutch Clover and quick growing grasses to serve as a cover crop. Absolutely no timothy, orchard, or other coarse grasses usually included in lawn mixtures. Thorough sieving coupled with air washing eliminates chaff, inert matter and weeds.

X-L Grass Seed is treated with Rootone (Hormonized). The first large planting of Rootone-treated Grass Seed was made at the New York World's Fair. Here visitors were astounded that such thick turf could be produced in such a short time. We have been treating X-L Grass Seed with Rootone for two years and customers have been surprised at the appearance the first season. Bluegrass requires 28 days for complete germination. Rootone reduces the germination period to 15 days and develops stronger roots. The other grasses and clover are acted upon in like manner.

Per lb., 60c; 5 lbs., \$2.75; 10 lbs., \$5.25; 25 lbs., \$12.50, postpaid.

## GREENVIEW LAWN GRASS

(NOT HORMONIZED)

Clean, quick growing grasses. No coarse grasses such as timothy, meadow fescue, etc. No inert matter or weeds. Lawns planted with this mixture will produce good turfs but will not withstand trampling nor be as permanent as our X-L Mixture. 1 lb., 45c; 5 lbs., \$2.15; 10 lbs., \$4.00; 25 lbs., \$9.50, postpaid.

## ECONOMY LAWN MIXTURE

(NOT HORMONIZED)

Especially formulated for dry land lawns, but adaptable to all places where a quick, even grass is desired at an extremely low initial cost. Economy Lawn Grass produces a somewhat coarser turf than X-L and Greenview, but does not contain clumps of grass or bunches of turf as is found in many mixtures selling at the same price. Absolutely no Timothy, Meadow Fescue or similar grasses used. Inert less than 5%. Compare nationally sold mixtures sold at higher prices containing from 10 to 18% inert. Per lb., 35c; 10 lbs. or more, 32c lb. Add postage.

## X-L WHITE DUTCH CLOVER

Choice fancy seed. Guaranteed pure and free of Alsike Clover, Dodder, and other weeds. Per 1/2 lb., 68c; per lb., \$1.20, postpaid.

## X-L SHADY NOOK LAWN GRASSES

Developed especially for places where it is difficult to get a stand with regular grass mixtures due to excessive shade. 1 lb., 75c; 5 lbs., \$3.50, postpaid.

## X-L REGISTERED CREEPING BENT

To guard against adulteration of Bent grasses with Red Top (the seeds are scarcely distinguishable) purchase only registered seed. Bent Grass forms a heavy turf that is impregnable to weeds and wear. Requires frequent cutting and feeding with ammonium sulphate. 1 lb., \$1.25; 2 lbs., \$2.35; 5 lbs., \$5.75, postpaid.

## X-L KENTUCKY BLUEGRASS

This fine bladed permanent grass with its dark green color forms the basis of all good mixtures adapted to Montana. Our seed is extra heavy and clean. 1 lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.75, postpaid.

## How to Make a Beautiful Lawn

1. Spade to a depth of at least six inches and pulverize thoroughly.
2. Apply Vigoro at the rate of four pounds per 100 square feet. This assures an ample supply of all of the elements plants must get from the soil.
3. Work the Vigoro into the soil with a rake. Wait one day before seeding.
4. Sow our grass seed at the rate of four to five pounds per 1,000 square feet. If you sow by hand, sow half lengthwise and half crosswise.
5. Roll to imbed seed and insure perfect contact between seed and soil. A tamper or wide board can be used on small areas when a roller is not available.
6. Water thoroughly, using a very fine spray. Continue to water daily until seed germination is complete—three to four weeks—then water as needed but always water thoroughly. Light sprinkling encourages shallow roots.

See page 35 for Lawn Grass Fertilizers

Sirs:

Shelby, Mont.

We bought our grass seed from you and it surely grew well. We have a very nice lawn.

MRS. PAUL KREKARIAN.

# Flowers Are a Vital Necessity!

More than ever will the pride that comes from beautiful, well grown flowers be needed to keep our spirits buoyed up. Flowers are "food for the soul" and will help keep our minds off the state of affairs. In addition consider the relaxation and restfulness of spending from fifteen minutes to an hour daily in growing beautiful plants.

Of course many families will reduce the size of their annual beds to make room for vegetables, and justly so, but every home can find room for a few of their favorites. The new flowers offered this year are especially good—we have tried Dazzler and Orange Ruffles Cosmos which are offered for the first time this year and find them exceptionally grand. An other variety that is sure to create much attention is the All-American winner. **ALL DOUBLE PETUNIA**. Among those introduced last year are Phlox, Red Glory, Pink Cleome, and Pearly Gates Morning Glory which more than lived up to their glowing description and publicity. And if you are one of the many who will have a boy (or a girl) home on leave from the Armed Forces—a tidy flower bed will help show them just "what they are fighting for."

DAVE ROSS.

## KEY TO SYMBOLS:

- (A) Annuals—Attain full growth from seed, flower and die first year.
- (B) Biennials—They grow from seed the first year, bloom and die the next.
- (P) Perennials—Continuous bloomers the second year after sowing.
- (R) Rock Garden Plants.

**1001—All-American Garden.** A complete flower garden composed of the newest prize winners. Plans for lay-out and culture included. 25c.

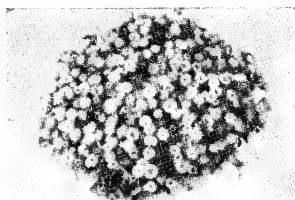
## AFRICAN DAISY

**1002—GOLDEN WEST (A)** 18 in. Very easy to raise. Petals arranged daisy fashion with dark center ring. Mixed. Pkt., 10c; ¼ oz., 35c.

**M1003—BLUE EYED AFRICAN DAISY.** Pkt., 10c.

## AGERATUM (A)

**1004 — BLUE BALL —** 6 to 10 in. Deep, dark blue balls. Blooms profusely, making an excellent border flower and giving the color that you need to bring out the richness of your other flowers. Pkt., 10c; ¼ oz., 35c.



Ageratum—Blue Ball

**1005—MIDGET BLUE.** This silver medal winner in the All-America selections for 1939 filled a long felt need for a really dwarf blue bedding or border flower. Midget Blue never grows more than two to three inches high, with very fine and delicate foliage. However, the foliage is seldom noticed because it is generally covered with small true Ageratum Blue flowers. This variety was used to very good advantage in the Great Falls parks last year in their red, white, and blue beds. Pkt., 15c.

## ANCHUSA (A)

**1006—SUMMER FORGET-ME-NOT.** 2 ft. Bears flowers in drooping clusters from July to October. Blossoms resemble Forget-Me-Nots, but are larger and of better color. Pkt., 10c; ½ oz., 20c; ¼ oz., 40c.

## ANCHUSA (P)

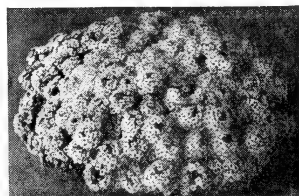
**1008—ITALICA "DROPMORE" VARIETY.** 3 ft. Hardy perennial that bushes out and makes a nice border. Flowers are produced all season. Pkt., 10c; ½ oz., 30c.

Cultural Directions on each package.



## ALYSSUM

Unrivalled for edging plants, Alyssum are very easily raised and will stay in bloom throughout the entire summer. We especially urge you to try Lilac Queen this year.



Alyssum—Little Dorrit

## DWARF SWEET ALYSSUM

**1012—LITTLE DORRIT (A)** 4 in.—Very compact foliage, covered with trim white blossoms, making an ideal border plant. Pkt., 10c; ¼ oz., 25c.

## 1014—VIOLET QUEEN ALYSSUM

(A) 6 inches

One of the most discussed of the newer flowers. Color is deeper than Lilac Queen Alyssum. Foliage is compact, neat and dwarf. The small, sweetly scented flowers are a very rich, deep shade of violet. Violet Queen will unquestionably be one of the leading novelties of the season. Pkt., 15c.

**1016—SAXATILE ALYSSUM (P)** 1 ft. Masses of intense bright yellow flowers, very early. Excellent for rock garden and permanent border work. Pkt., 10c; ¼ oz., 40c.

## 1022—ANAGALLIS (A)

(PIMPERNEL). A bushy little plant covered with five petalled flowers. Mixed, 10c.

## ARMERIA (P)

**1026—9 in.** An early, deep red flower used in borders and rock gardens. Pkt., 10c.

## 1028—AUSTRALIAN PEA VINE

A rapid growing vine that produces large clusters of rose colored flowers. Pkt., 10c.

Instead of sowing flower seeds in a straight row, plant several in a group spaced 4, 6, 8, 10 inches apart depending on the size of the matured plant. It eliminates much thinning, makes cultivation easier, saves time and seed.

## Planting by the Moon!

**APRIL, 1943.** 1st and 2nd—Favorable for above ground crops and for planting vines, shrubs and trees. 3rd to 5th—A barren period and very poor for planting. 6th and 7th—Plant onions, beets, carrots and other root crops. 8th and 9th—Seed planting now is not advisable. 10th to 12th—Start seed beds in the north. 13th to 17th—Best time to kill weeds, briars and other farm pests. 18th and 19th—Plant grains and fodder crops at this time. 20th and 21st—Good for planting corn, peas, beans, tomatoes, peppers, okra and other above ground crops. 22nd and 23rd—Seed planted now will grow poorly. 24th and 25th—Fine for potatoes, carrots, beets, onions and other root crops. 26th and 27th—Poor for planting. 28th to 30th—Plant pumpkins, squashes, melons and other crops bearing their yield above ground. Set shrubs and trees. Graft and prune trees 4th to 9th.

**MAY, 1943.** 1st and 2nd—Do not plant or sow, as seed will tend to rot in the ground. 3rd and 4th—Root crops of all kinds will be exceptionally well if planted now. 5th to 7th—A barren period, so do not plant. 8th and 9th—Seed beds, flower gardens and crops yielding above ground should be planted at this time. 10th to 14th—Kill weeds, poison ivy and briars in this period. 15th and 16th—Grains will bear good and forage crops will grow rapidly if planted now. 17th and 18th—The best time of the month for

corn, and good for beans, peas, tomatoes, peppers, and other above ground crops. 19th to 21st—This barren period is poor for planting. 22nd and 23rd—Plant carrots, salsify, beets, turnips, radishes and other root crops where the season is not too late. 25th and 25th—Unfavorable for all planting. 26th and 27th—Plant celery, cabbage, lettuce and above ground crops. Trees and shrubs will do well if transplanted now and well watered. 28th and 29th—Do not plant or sow now. 30th and 31st—Root crops that can be planted now will do exceptionally well.

**JUNE, 1943.** 1st to 3rd—An unfavorable period for any planting. 4th and 5th—Above ground crops that can be planted at this season will grow rapidly if planted now. 6th to 10th—Barren for all planting and best for killing weeds, briars and other farm pests. 11th to 13th—A good time to sow grains, forage, and field crops. 14th and 15th—Fine for planting corn, beans, peas and other crops bearing their yield above ground. 16th and 17th—Seed planted now will do very poorly. 18th and 19th—Late root crops grow rapidly and bear well if planted on these two days. 20th and 21st—Cultivate crops at this time, but do no planting. 22nd and 23rd—Favorable for transplanting to the field tomatoes, celery, cabbage, and for planting late above ground crops. 24th and 25th—Very poor for planting anything. 26th to 28th—Late plantings of rutabagas, radishes, beets and other root crops should be made. 29th and 30th—Not favorable for sowing of any crops.

## ASTERS (α)

**1032—CALIFORNIA GIANT.** We very highly recommend this new early strain as it will give you flowers about a week earlier than the regular Giant Strain. Flowers are borne erect on stems that branch rather high up on the main stem. Blossoms are large, well-formed and very desirable for cutting. Finest Mixed. Pkt., 10c; 1/8 oz., 50c.

**QUEEN OF THE MARKET (A)** 16 in. Wilt-resistant. A favorite early aster that blooms two weeks ahead of most other varieties.



**1034,** Rose; **1036,** Scarlet; **1038,** White; **1040,** Blue.

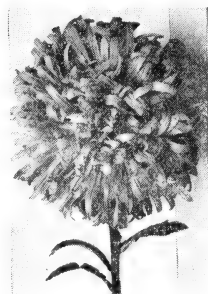
**1035 — G I A N T CREGO (A)** 24 in. (Ostrich Feather). Wilt-resistant. Flowers with curled petals are on long stems. The plants are strong and branching and remain in gorgeous flower from late August until frost. Mixed colors. Pkt., 10c.

**1050 — X-L Giant Branching (A)** 30 in. Wilt resistant. The large flowers are borne on stiff stems and are excellent for cutting.

Finest Mixed. Pkt., 10c.

**1030—LOS ANGELES.** The flowers, 6 to 8 inches across, are a lovely soft shell pink, and are borne on long stiff stems. Despite the size, these flowers are very charming. Los Angeles will do best if started indoors and transplanted. Pkt., 15c; 1/8 oz., 50c.

**1058—ASTER (Super Giant El Monte) (A).** Is the same type as Los Angeles but earlier and even larger. Dark red color. Pkt., 15c.



Giant California Sunshine

**1062—HEART OF FRANCE.** Dark red, large well formed flowers. Branching habit of growth. 2 feet high. Pkt., 10c.

**1057—GIANT CALIFORNIA SUNSHINE (A).** Striking flowers, 4 in. and more across, are freely borne on stiff stems, 18 to 20 inches long. The long, loosely placed outer petals are of varying colors in lovely contrast to the creamy yellow or blue centers which are composed of many showy, tiny quills. Midseason; 2 1/2 feet.

All colors mixed, pkg., 15c.

**M1053—Imbricated Pompon** 20 in. Flowers very freely produced, often as many as 20 to a plant. Blooms very early. The small, round Pompon blossoms have an outside row of short guard petals. Mixed colors. Pkt., 15c.

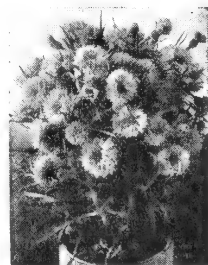
## BACHELOR'S BUTTON (α) CORNFLOWER

**1064—DOUBLE MIXED.** Very easy to grow and blooms continuously. Pkt., 5c; 1/4 oz., 20c.

**1066—JUBILEE GEM (New).** Dwarf, compact plants, about 1 foot tall, literally covered with dark but vivid double blue flowers. Fine for edgings, borders, rock gardens and pots. Pkt., 10c.

**1068 — DOUBLE BLUE.** Florist strain, large type flowers, perfectly double. Combine this with orange flare Cosmos for a colorful bouquet. Pkt., 10c; 1/4 oz., 25c.

**1070—RED BOY.** A new Bachelor's Button. Very deep red and true double. Pkt., 10c; 1/4 oz., 50c.



Jubilee Gem

### ROOTONE FOR FLOWERS

Put a pinch in the seed envelope and shake until seeds are coated. Guaranteed to improve and quicken germination. Garden size package, 25c.



## 1073—BALSAM (A)

(LADY SLIPPER). An old favorite producing double flowers clustered in the axils of the leaves on short stems. The plants like hot sun, rich soil and plenty of water. Pkt., 10c.

**BABY'S BREATH**  
(See Gypsophila)

**BABY BLUE EYES**  
(See Nemophila)

**BLUE BELLS OF CALIFORNIA**  
(See Phacelia)

## 1074—BRACHYCOME (A)

(SWAN RIVER DAISY). These low growing plants are covered with dainty flowers that resemble small cinerarias. Very desirable for edging small beds and pot culture. Pkt., 10c; ¼ oz., 35c.

## CALENDULA (a)

The most dependable flower for cutting, so easy to raise that they are always in children's gardens.

**1082—ORANGE SHAGGY (Gold Medal Winner).** Petals are long and deeply fringed with edges overlapping in irregular fashion, thus accounting for the name. Color is deep orange shading to lighter orange in the center, giving a two-tone effect. Long stems, height 18 inches. Pkt., 10c; ¼ oz., 50c.



**1080 — CHRYSANTHA OR SUNSHINE (Gold Medal Winner).** Entirely free from the Calendula odor. Large double flowers. Beautifully formed and of a pleasing buttercup yellow color. Petals are so formed that they give the flower a globular effect. Pkt., 10c; ½ oz., 30c.

**1084—ORANGE KING.** A glowing orange flower; rather formal and abundantly carried on upright bushes. Pkt., 10c; ½ oz., 30c.

**1088 — DOUBLE MIXED CALENDULA.** Light and dark shades of the standard Calendula. Pkt., 5c; ¼ oz., 20c.

## 1076—CATHEDRAL BELLS (A)

(COBEA). One of the handsomest rapid growing climbers. The bell-shaped flowers open a clear green, but turn lilac. Seed should be sowed edgewise. Very vigorous and prolific bloomer. Pkt., 10c; ¼ oz., 25c.

## 1078—COLEUS (P)

A large decorative foliage plant. No two plants alike in color. For beds, pot culture and also excellent for window boxes. Pkt., 10c.

## CALIFORNIA POPPY (A)

The state flower of California and one of the most attractive annuals for bed edging or masses.

**1090, Pure Gold.** Pkt., 10c; ½ oz., 25c.

**1091—RAMONA HYBRIDS**—New and very much better than the old type Escholtzia or Mixed California Poppy. In our trials these strong stemmed and colorful hybrids were in full bloom until heavy frost. The blossoms are large and fold tight during the forenoon, but as the day becomes warmer they are full blown and are so curved as to have a double appearance. Many colors and hues. We strongly urge that you try these. Pkt., 10c; ½ oz., 40c.

## M-1096—CALLIOPSIS (A)

Petals are arranged daisy fashion with contrasting centers. They are thrifty and vigorous, blooming through the entire summer. Excellent for cutting. X-L finest mixed. Pkt., 10c.

## CANDYTUFT (a)



Hyacinth Flowered  
Candytuft

**1098—GIANT HYACINTH FLOWERED.** Large bold spikes resemble hyacinths. Effective for showy garden border and for cutting. We find that this flower is very little known to most people, but if you try it once we believe that you will add it to your "must plant" list. Pkt., 10c; ¼ oz., 25c.

**1100—UMBELLATA.** This is the standard Candytuft that has been popular for years. Flowers are arranged in umbrellae form and our mixture will give you a lot of color in your border.

**1102, Mixed;** M1104, Carmine; M1106, Lilac. Pkt., 10c.

## CARNATION (A)

**1108—ANNUAL MIXED.** A favorite flower for pot culture and may also be grown easily out-doors if started inside and transplanted. Mixed colors. Pkt., 10c.

**1110—CHAUBAUD'S GIANT DOUBLE.** Mixed. Pkt., 10c.

## 1120—HARDY CARNATION (P)

Deep red flowers 1 inch in diameter borne on long stiff stems. These plants branch. Plant increases in size from year to year and is one of the most desirable of all perennials. Pkt., 10c.

## CANTERBURY BELLS (p)

(CUP AND SAUCER).

Everyone knows this biennial which inevitably seeds itself so that it remains permanently from year to year.

**1112, Dark Blue; 1114, Rose;**

**1116, Finest Mixed.**

Pkt., 10c; ½ oz., 35c.

**1118—ANNUAL CANTERBURY BELLS (A).** If started inside and transplanted will come into bloom early in the summer. Mixed colors. Pkt., 10c; ½ oz., 50c.



Annual Canterbury Bells

## M1122—CARDINAL CLIMBER (A)

A strong rapid growing annual vine often reaching the height of 25 ft. Covered with fiery red blossoms about 1 in. in diameter. Does especially well in a sunny situation. Pkt., 10c; ¼ oz., 40c.

## 1124—CANARY BIRD VINE (A)

A dainty vine 15 ft. high with delicate flowers of clear canary yellow. Does well in shade. Pkt., 10c; ½ oz., 30c.

## 1126—CASTOR-BEAN (A)

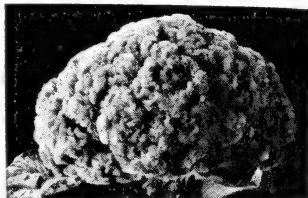
(RICINUS) 8 ft. Giant strong growing plants with large and colorful leaves, used for garden fences, etc. Pkt., 10c; oz., 25c.

Alder, Mont.

I am writing to say that I was very well pleased with the seeds purchased from you and your mail order service was very satisfactory.

MRS. JACOB ROJIC.



**1128—COCKSCOMB****Cockscomb**

An unusual and colorful novelty flower that can easily be dried for winter bouquets. Causes comment wherever seen. Flowers are crested, resembling a Rooster or Cockscomb in shape but are of velvety texture like chenille. Thrive in light soil. About 16 inches high. **Pkt., 10c.**

**Annual Chrysanthemum**

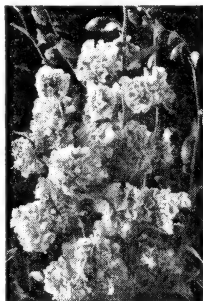
The annual Chrysanthemums or Painted Daisies are very showy and effective favorites which should be used more widely because they are easy to grow and give a splendid display in the garden besides yielding plenty of flowers for cutting. They grow about 2 feet high and bear a profusion of large, daisy-like flowers carried upright on fine, strong stems.

**1134—Mixed. Pkt., 10c.**

**1135—EL DORADO.** Silver medal winner 1934. Golden yellow, dark eye. **Pkt., 10c.**

**1136—CLARKIA (A)**

2 ft. One of the most popular of all flowers because they are so easy to grow and their graceful beauty is unexcelled for bouquets. Our X-L strain is nearly 100 per cent double. Finest mixed. **Pkt., 10c; ¼ oz., 25c.**

**Clarkia Double**

**X-L DOUBLE CLARKIA** has been a consistent first place winner at all Montana fairs and flower shows during the past three years.

**COLUMBINE (P)**

**1138—MRS. SCOTT ELLIOTT HYBRIDS.** The blooms are large and the spurs very long. The soft pastel tones run the gamut of color from red to deep yellow. **Pkt., 15c.**

**COREOPSIS (P)**

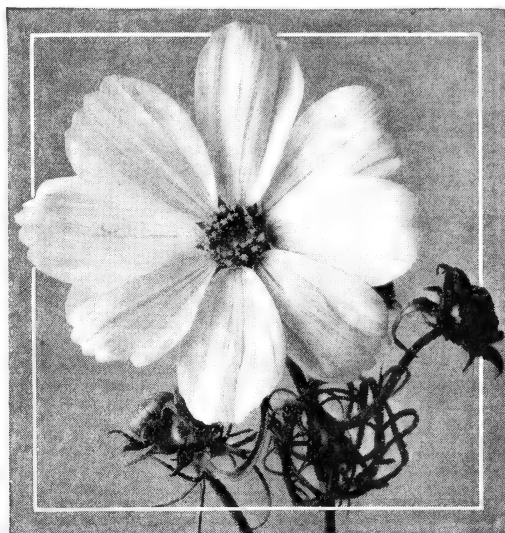
A most useful class of hardy perennials providing a great quantity of showy large golden yellow flowers starting in June and continuing for several months. Seed may be sown from early spring until late summer. Also splendid for cutting.

**M-1142—MAYFIELD SINGLE GIANTS. Pkt., 10c.**

**M-1144—DOUBLE SUNBURST (New).** This double form is a great improvement over the older semi-double variety. The color of the well-rounded flowers is brilliant golden yellow. **Pkt., 15c.**

**1146—COSMOS - ORANGE FLARE**

(Gold Medal Winner). Plant where it will receive the full sun and it will make a gorgeous sight from June on, being covered with orange flowers with a beautiful background of green foliage. **Pkt., 10c; ¼ oz., 30c.**

**Sensation Cosmos (A)**

This new group that has eliminated the old small type flowers are a favorite for cutting and garden backgrounds. Flowers are immense, measuring 4 and 5 inches across with broad fluted petals. They are early and free flowering.

**1147—DAZZLER.** This new Sensation is a worthy companion to Pinkie and Purity. We grew it in our trials and heartily recommend it for arrangements and for color in the garden. A luscious shade of deep velvety crimson with broad overlapping fluted petals giving a full flower. **All-American Honorable Mention 1943. Pkt., 25c.**

**1148—SENSATION PINKIE.** A beautiful rose pink. **Pkt., 10c; ¼ oz., 30c.**

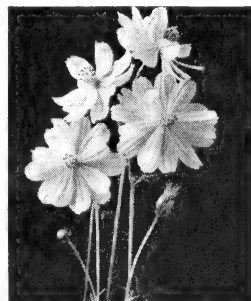
**1150—SENSATION PURITY.** Pure white. **Pkt., 15c.**

**1152—SENSATION MIXED COSMOS.** All colors. This year we are able to offer Sensation Mixed Cosmos entirely instead of the older and smaller types. **Per packet, 10c; ¼ oz., 30c.**

**1158—EARLY DOUBLE CRESTED COSMOS.** The plants are covered with blooms and are most attractive for either garden or table decoration. They have beautiful double petals and long stems. Height, 3 feet. **Mixed. Pkt., 10c.**

**1159 — COSMOS SEMI-DOUBLE ORANGE RUFFLES.**

Orange Ruffles brings new beauty and glamour to the Orange Cosmos tribe. Vivid and intense golden orange, the two or three extra rows of petals lend an airy butterfly-like beauty to the richly colored large blossoms. Very free blooming, Orange Ruffles comes into flower ten days to two weeks earlier than Orange Flare, while the plants, slightly dwarfier in habit, have the same sparsity of foliage. **Pkt., 25c.**

**FOR EARLY FLOWERS**

These varieties that take longer to come into bloom should be started indoors in a small box. When seedlings are about an inch high transplant to a larger box or flat, allowing about 2 inches each way for a plant. When these are 3 to 4 inches high they may be set in waterproof paper pots (see page 38) where they will develop good roots and will not be set back when transplanted to the garden.

**We Recommend**

**FULTON'S PLANTABBS**  
**for all Garden Flowers**

30 Tabs ....27c  
75 Tabs ....54c  
200 Tabs \$1.08  
Postpaid

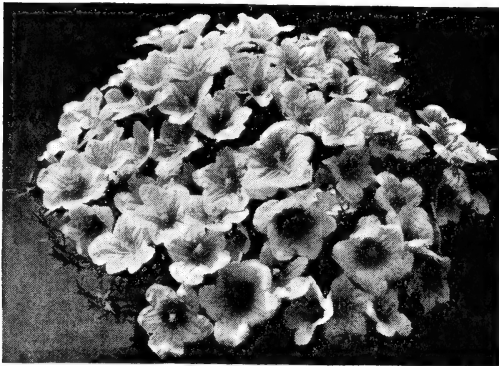
## CLEOME (A) SPIDER PLANT

1160—PINK QUEEN



Offered for the first time last year when it was a Silver Medal Winner, this odd and interesting plant met with instant favor. Its value will lie chiefly as a background flower since the average height is from 3½ to 4 feet. The flowers are a true pink and the large clusters turn white before falling. Cleome is a native of Colorado so it is entirely adapted to our conditions. It seems that it is never out of bloom and the dried seed pods which remain on the stock give it the appearance of a spider from which it gets its name. You will be surprised and pleased with this new flower and we urge you to try it. Pkt., 25c.

## Dwarf Cup Flower (A)



Dwarf Cup Flower

1161—PURPLE ROBE

This Bronze Medal Winner in the All-American Selections of 1942 removed the only objection that clouded the tremendous popularity that the first Nierembergia received, and that was because the color was too light a shade of blue. Purple Robe is a uniformly deep, rich violet and will not fade. Centers have just a touch of yellow and the same attractive foliage that was found in the original cup flower, but like it, the foliage is seldom noticed because there are so many flowers in bloom at one time. Splendid for potting. Culture same as pansies. Pkt. 25c.

1163—BLUE CUP FLOWER

**NIEREMBERGIA HIPPOMANICA**

Lavender-blue flowers. Very free blooming.  
Packet . . . 25c

1164—DAHLIA (A)

3 ft. For Dahlia Tubers see page 30. All types of Dahlias may be grown easily from seed and will bloom the first year. We promise you many surprises in the types and colors that you will produce from the same package. Mixed. Pkt., 10c.

M1166—All colors, newer types, dwarf, single and double. Pkt., 15c.

**DATURA**

See Trumpet Flower

1168—DIANTHUS (A)

1 ft. Single flowering large China Pinks. Flowers are 2 to 3 inches in diameter; pink, rose and white and many with rose and red centers. Pkt., 10c.

## 1171—PACIFIC GIANTS DELPHINIUM (P)

The newest, finest, and best of all Delphiniums. Spikes are taller, more graceful, and the flower sizes easily twice as large as the older varieties of Delphinium. Culture is just as easy as the ordinary Delphinium and the Pacific hybrids show a great resistance to mildew. Colors range from light blue to the deepest indigo, and from mauve to deep purple, with many intermediate shades to lavender-pink. Also included in the mixture is pure white. Pkt., 35c.



X-L Delphinium

1170—X-L DELPHINIUM

Tall majestic stems with long flower spikes in light and dark blue, purple and white. May be cut back to 6 inches after first blooms are gone to produce a new crop and make a bushier plant. Pkt., 10c.

1172—DIGITALIS (P)

**FOXGLOVE**—3 to 5 ft. A stately ornamental plant especially adapted for perennial borders and for planting among shrubbery. They are distinctly beautiful with their tall long spurs of brilliant colors. Pkt., 10c.

1174—DOLICHOS (A)

**HYACINTH BEAN.** Rapid annual climber, leaves are quite large and provide good shade, with their violet colored flowers that resemble sweet peas. Pkt., 10c; oz., 30c.

1180—EUPHORBIA (A)

**SNOW ON THE MOUNTAIN**—2 ft. A strong growing annual that looks especially well in mixed borders. The foliage is very ornamental and works in well with most bouquets. Pkt., 10c.

## CHINESE FORGET-ME-NOTS

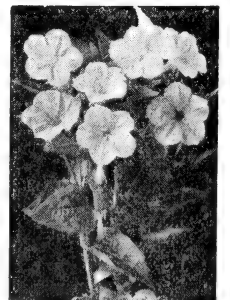
**CYNOGLOSSUM (A).** A very showy and exceedingly free-flowering annual of easiest culture. Produces a great profusion of showy Forget-Me-Not-like blooms throughout the spring and summer; 24 inches.

M1184—BLUE. 10c pkt.

M1185—PINK. 10c pkt.

1186—FOUR O'CLOCK  
(A)

This old-fashioned flower of bushy habit bears profusely. Flowers are white, yellow, crimson and violet. As a hedge plant, its glossy foliage is closely set and dotted all over in the afternoon with a multitude of flowers. Roots may be lifted in the fall and stored like Dahlias to be replanted in spring. This will result in larger plants, with more flowers. Mixed. Pkt. 10c; oz., 40c.



Four O'Clock

**FOXGLOVE**  
(See Digitalis)

## GAILLARDIA

**M-1190—INDIAN CHIEF.** Annual. This was one of the favorites in our trial garden last year and we heartily endorse it. Color is a glistening bronze red. Very free blooming. Easy to raise and a delightful cut flower, lending itself to arrangements beautifully. Will stay in perfect condition a long time after cutting. **Pkt., 10c.**

**1192—GAILLARDIA PERENNIAL SINGLE.** One of the best perennials for cut flowers. Blooming continuously from June till late frost. **Pkt., 10c.**

## 1194—GERANIUM (P)

**2 feet.** Will grow from seed and many new varieties will be found in each package. Plants should be taken indoors before frost. **SOLD OUT.**

## M-1196—GEUM (P)

A splendid class of hardy perennials blooming throughout the summer. Orange scarlet. **10c.**

## M-1198—GILIA (A)

**QUEEN ANNE'S THIMBLE.** This easily grown annual is a lovely and graceful subject with fine feathery foliage and globular heads densely set with light lavender-blue flowers. Grows 2 feet high and blooms continuously throughout the summer and fall. **Pkt., 10c.**

## GLOBE AMARANTH (A)

**M1200—MIXED.** The clover-like flower can be dried for winter bouquets. Easy to grow from seeds sown in spring where it is to bloom; 2 feet high. **Pkt., 10c.**

## 1202—GODETIA (A)

An attractive bushy plant with masses of large colorful blossoms during the early summer. Thrive best in a cool, moist, shady place. Godetia may also be sown in the fall. If fall sown, much earlier flowers will be had. Godetias do not require a rich soil. **Pkt., 10c; ¼ oz., 25c.**



Godetia

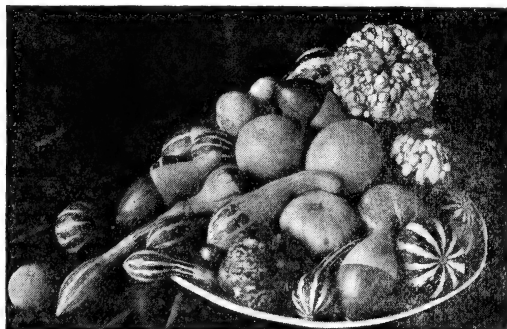
## GYPSOPHILA

### Baby Breath

These mist-like flowers are well known for finishing and filling out bouquets. They will thrive almost anywhere and can be had in both annual and perennial.

**1204—ANNUAL LARGE FLOWERING WHITE—2 ft.** **Pkt., 5c; ¼ oz., 15c.**

**1208—PERENNIAL WHITE.** An exceptionally fine variety. **Pkt., 10c; ¼ oz., 30c.**



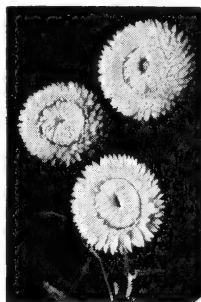
## ORNAMENTAL GOURDS

Easily grown in any good garden loam, as you would squash or other vine crops; or they may be trained on trellises, fences, stone walls, or arbors. The ripened fruits are used for ornaments.

**1222—FINE MIXED.** All the above varieties and some other good ones in mixture. **Pkt., 10c; ½ oz., 20c; oz., 35c.**

## 1224—HELICHRYSUM (A)

**STRAWFLOWER—30 in.** A beautiful flower when growing, and a prize for winter decoration of vases and for table bouquets. Flowers for drying should be gathered when partially unfolded and suspended with their heads downward in a cool place. All colors mixed. **Pkt., 10c; ½ oz., 25c.**



Helichrysum

**1228, Triumph Mixed; 1230, Crimson; 1232, Deep Rose; 1234, Salmon; 1236, Yellow; 1237, Newport Pink; 1238, White.** Any of above, **pkt., 10c.**

## DOUBLE HOLLYHOCKS (P)

Hollyhocks are truly a perennial plant, but are planted early in April and will generally flower the first year. Our seed is of choicest double varieties.

## M-1239—SINGLE HOLLYHOCKS (A)

**INDIAN SPRING.** If sown in February it will bloom freely in early August, producing flowers of varying attractive bright rose and rosy-carmine semi-double. It grows a central stem which may attain six feet in height. Flowering branches are produced freely. Both stem and branches bear flowers. Awarded silver medal in 1939 All-America trials. **Pkt., 15c.**

## M-1240—HONESTY (B)

**LUNARIA MONEY PLANT (St. Peter's Penny).** Flowers purple, followed by silvery seed pods, prized for winter bouquets. **Pkt., 10c.**

## HYACINTH BEAN

(SEE DOLICHOS)

## 1246—HOP VINE (A)

A charming climber attaining growth of 20 to 25 feet in a few weeks. Not injured by insects or by heat, and the vine retains its beauty until frost. **Pkt., 10c; ¼ oz., 25c; ½ oz., 40c.**

## KOCHIA

(See Mexican Fire Bush)

## 1248—KUDZU VINE (P)

**50 feet.** A permanent vine that makes good growth the first year. Flourishes where nothing else will grow. Large leaves of brightest green afford a dense shade. Flowers dark purple. **Pkt., 10c; ¼ oz., 30c.**

## 1252—LATHYRUS (P)

**PERENNIAL SWEET PEA.** A climbing plant with choice clusters of sweet pea-like flowers. Succeeds in almost any kind of soil and location. **Pkt., 10c; ½ oz., 35c; oz., 65c.**

## LARKSPUR (A)

For Red, White and Blue Flowers.

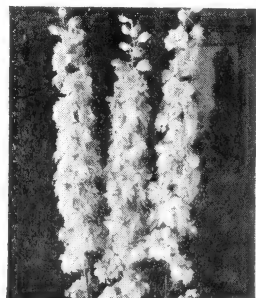
An exceptionally easy flower to grow and very desirable for bouquets or for bedding. Our X-L strains have been improved so that they are nearly 100 per cent double and have exceptionally long spurs. For early flowers fall planting is recommended. To hasten germination in the spring and summer, it is recommended that the seed be chilled several days in the refrigerator.

**1254 Dark Blue; 1256 Pink;**

**1258 White; 1260 Lilac; 1262 Red.**

Above colors—**Pkt., 10c; ½ oz., 25c; ¼ oz., 40c.**

**1264—FINEST MIXED—Pkt., 10c; ½ oz., 20c; ¼ oz., 35c.**



## LAVATERA

(a)

### Annual Mallow

#### 1266—SUNSET SPLENDENS.

Lovely satiny pink bowl shaped flowers on bushy, well filled plants. This flower is so easy to grow and makes such a nice appearance that everyone should plant a row of it. Pkt., 10c; ¼ oz., 50c.



Lavatera

#### 1272—LOBELIA (A)

**DWARF CRYSTAL PALACE—4 in.** This variety is the deepest blue of Lobelias. It has very dark foliage and is excellent for edging. Pkt., 10c; ¼ oz., 60c.

#### 1268—Linum or Scarlet Flax (A)

10 in. A well known showy and effective bedding plant. Flowers are deep crimson with black centers. Pkt., 5c; ¼ oz., 20c.

#### 1270—Perennial Flax (P)

18 in. Same type flower as Scarlet Flax, but grows 6 or 8 inches higher. Will sometimes blossom from seed the first year and is very hardy. Color clear light blue. Pkt., 10c.



#### LUPIN (A)

1274—18 in. Inoculate with Nitragin before planting. These beautiful perennials have long spikes in all the pastel shades from June until September.

M1275—KING LUPIN (Giant). All colors. Pkt., 10c.

M1276—TEXAS BLUE BONNET. Pkt., 10c.

*Easy To Grow*

## MARIGOLDS

• For Garden Color!

• For Interior Sunshine!

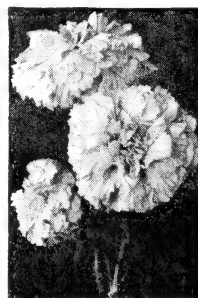
**BUTTERBALL.** Bronze Medal Winner, 1942, A. A. S. Very compact, yellow blossoms of Scabious-flowered type. Bushes never become more than 6 to 10 inches tall with foliage dense and uniform. Blossoms very freely and is as desirable for pot flowers as for bedding or border. Pkt., 25c.



Marigold—Sunset

**1278—SUNSET GIANTS.** Full Double Orange. Immediately after Sunset Giants was introduced the originators started improving and soon had a definite selection which was absolutely 100% fully double. Of deeper orange color and with more compact habit of growth. Flowers are from 5 to 6 inches across and borne in great abundance on bushes from 2½ to 3½ feet high. Give each plant plenty of room. For extra early flowers start inside and transplant. In our own gardens seeds started in the open in May blossomed August 3rd. Pkt., 15c; ½ oz. 90c.

**MELODY.** Bronze Medal Winner. A scabious-flowered Marigold of the Harmony type. Color is golden yellow. Very uniform in height, habit, and color, with golden yellow flowers that will bloom from July to late frost. Pkt., 25c.



Guinea Gold

**1280—GUINEA GOLD.** Carnation flowered type. Produces in abundance of gold orange blossoms 2 to 2½ inches across. Early and excellent for cutting. Pkt., 10c; ¼ oz., 30c.

**1288—ORANGE PRINCE.** Large double quilled flowers of a golden orange color. Pkt., 10c.

**1299—FERDINAND.** This is a very attractive Marigold with single flowers of golden yellow flanked with mahogany red. It comes into bloom early and attracted a lot of attention in our own gardens last year. Pkt., 10c.

**M1300—LEGION OF HONOR.** Single yellow with dark brown blotches. Pkt., 10c.

**1292—YELLOW SUPREME.** A fragrant Marigold with broad loose, frilled petals of a rich, creamy lemon-yellow. Remarkably free blooming and a splendid cut flower. Pkt., 10c.

**1298—JOSEPHINE.** Dark maroon with an edge of gold. Rich, velvety flowers are borne on long stems. Josephine is fine for cutting and a prize winner for flower show arrangements and exhibits. Pkt., 10c.

**1284—CROWN OF GOLD.** Odorless Foliage. Medium size flower of a lovely orange shade. The full, crested center is surrounded by a single row of broad petals. Blooms early and desirable for cutting. Pkt., 10c; ¼ oz., 30c.



Crown of Gold

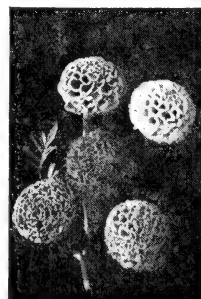
**1297—MIXED DWARF FRENCH MARIGOLD.** 10 to 12 inches high. Beautifully marked flowers of all shades of yellow and brown. Pkt., 10c; ¼ oz., 25c.

**1294—HARMONY.** This gorgeous blossomed Marigold ranks second to Sunset Giants in popularity. The deep golden orange centers are surrounded by several rows of reddish brown outside petals. Early and free-blooming. We know that you will like it. Pkt., 10c; ¼ oz., 25c.

#### Miniature Marigolds

**1296—ROYAL SCOTAIL-DOUBLE.** Golden striped maroon. Very attractive. Pkt., 10c.

**1295—GNOME.** Dwarf compact plants from 7 to 8 inches high forming neat bushes with fern-like foliage. Blooms are single and of bright golden yellow color. Very popular for dwarf beds and borders. Our park superintendent, Mr. Thomas Lease, has created much interest with this Marigold using it for borders in his park plantings. Pkt., 10c.



Marigold French Dwarf



## MORNING GLORIES

### Go Patriotic

With the development of Pearly Gates a delightful red, white and blue combination may be grown by planting it with Scarlett O'Hara and Heavenly Blues.

**PEARLY GATES.** Silver Medal Award—1942 All-America Selection. Pearly Gates received the highest number of points in the history of All-America Selection. Flowers are a lovely lustrous white with creamy shading deep down in the throat. They average  $4\frac{1}{2}$  inches across. These vigorous climbing vines are covered with blooms from the middle of summer until frost. Leaves are heart-shaped, fresh light green in color, and lustrous in growth. Pearly Gates is sure to be just as popular as Heavenly Blue, which it rivals, in vine, blossoms, size, and its adaptability to all sections of the country. 1307—Pkt., 25c.



X-L Heavenly Blue Morning Glory, raised by Mrs. K. Dulan, 609 Ninth Ave. So., Great Falls.

**1306—SCARLETT O'HARA (A).** This rapid growing vine must not be planted before June 1st. Flowers are a beautiful shade of wine red and are quite freely borne throughout August and September. Does not bloom as early or as heavily as Heavenly Blue, but most people overlook this, because of the beautiful color. Scarlett O'Hara was awarded the Gold Medal in the All-America trials for 1939, one of the very few flowers winning this coveted prize. Pkt., 10c.



Scarlett O'Hara

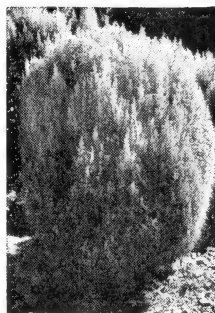
### 1310—MIXED IMPERIAL

Colors range from snow white to all tones of blue, red, and purple. Striping is exquisite. Pkt., 10c;  $\frac{1}{4}$  oz., 35c.

**M1309—NEW GIANT CORNELL.** The flowers, as large as Heavenly Blue, are an intense carmelian red with pure white border, reproducing the colors of Cornell University. Growth is rapid and flowers come early, when vine is two feet tall, increasing in number until killing frosts arrive. Pkt., 15c.

### 1308—HEAVENLY BLUE.

One of the few flowers of true blue and probably finest of all morning glories. Flowers measure  $3\frac{1}{2}$  to 4 inches across, beautiful sky blue color which shades at the center to a golden throat. They blossom profusely and for a long season, opening in the morning and facing the sun. If sown outdoors, do not sow until the ground is warm and summer established. Give plants full sun and do not over-feed as this may limit flowers. Sow in gravelly, sandy soil and give southern exposure. Pkt., 10c;  $\frac{1}{4}$  oz., 35c; 1 oz., \$1.00.



Kochia

### 1312—MOONFLOWER (A)

10 to 15 ft. A rapid grower with beautiful large white blossoms which open in the evening. Splendid for shade. Pkt., 10c.

### MOURNING BRIDE

(SEE SCABIOSA)

## NASTURTIUMS (α)

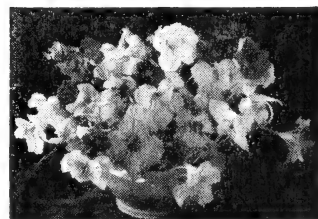


Scarlet Gleam

**1318—GLOBE MIXTURE.** An improved variety of hybrids that includes Golden Globe, Scarlet Globe, and many of the pink shades. Pkt., 10c; oz., 25c.

**1314 — GOLDEN GLEAM.** This double fragrant nasturtium has surpassed the old garden type in popularity because of its sweet scented golden yellow flowers borne so profusely on long stiff stems and unexcelled in the cutting garden for bouquets. Pkt., 10c; oz., 25c.

**No. 1315—SCARLET GLOBE.** The sweet fragrance of these fiery orange-scarlet blossoms is more pronounced than in Golden Gleam. Pkt., 10c; oz., 25c.



Globe Mixture

### REGULAR GARDEN NASTURTIUMS

**1320—DWARF MIXED.** Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 60c.

**1322—TALL MIXED** or climbing variety. Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 60c.

### NEMOPHILA (A)

**1324—8 in.** A hardy little plant covered with tiny blue flowers that makes an effective front row to a bed or border. Sow out-of-doors or can be used for pot plants. Pkt., 10c.

### NICOTIANA (A)

**1326—Sweet Scented Tobacco Plant—2 ft.** White and pink star shape flowers borne on long stems. Very sweet scented and long blooming. This annual is very easy to raise. Mixed. Pkt., 10c.

**M1328—CRIMSON BEDDER—(New).** Grows only 15 in. high. Has lovely deep crimson flowers arranged in graceful umbels. Pkt., 10c.

### NIGELLA (A)

**M1330—Love in a Mist, Devil in the Bush.** Mixed. A compact, free flowering plant of easy culture. Has finely cut foliage and curious-looking flowers and seed pods. Blue and white flowers in mixture. Grows 18 inches high. Pkt., 10c.

## X-L SUPER PANSIES

Improved so that they are now large blossomed and free-blooming, from Mother's Day to hard frosts, with an incredible range of color. Pansies must be started indoors and transplanted late in May. They may also be started in cold frames in the fall. Partial shade, good loam, with shallow cultivation and frequent feeding with complete plant food will be repaid with a mass of blooms that are showy and with stems long enough for cutting.

**M1332—SWISS GIANTS—Roggli Hybrids.** These are really outstanding Pansies of robust habit and very large flowering. The blooms are carried on fine long stems. Mixed, **per bucket, 50c.**

**1335—OUR X-L GIANT MIXTURE** is especially selected for color and size. Many are ruffled and wavy and practically all the deep contrasting colors that appeal to everyone. **Pkt., 10c.**

For Pansy Plants, See Page 29.

## PETUNIAS—*"in a variety of shapes and sizes"*

**CULTURE**—Petunias have been improved in color, compactness of plant and in size so much that they are now one of the most important flowers in our garden. They are extremely easy to grow, with the exception of sowing the seed. Invariably the trouble here is burying so deeply that the tiny seedlings cannot force their way through the ground. The best way to sow is in flats or pans. Mix the seed with fine sand; scatter over the well firmed surface of the soil. A light covering of finely shredded peat moss may be scattered over this and kept moist. When seedlings are one inch high, pick out and reset them in a flat or in green paper growing pots, allowing 2 inches for each plant. Pinch center stems out to make the plant bushy.

### DOUBLE & RUFFLED PETUNIAS

**1346—ALL AMERICAN DOUBLE.** When it comes to Double Petunias we beat the Japs at their own game—the slant-eyed devils grew the first **all double** Petunia but American growers develop a new one that is so good that it won the All American Silver Medal in 1943. Plants spread out but only get about a foot high—100% true doubleness. All colors mixed, **per packet (100 seeds), 50c.**

**1338—FLUFFY RUFFLES.** A delightful mixture of delicate light shades, containing numerous soft tints, veined and bicolor combinations not found in the separate color varieites. All flowers are finely fringed and so heavily ruffled that they appear double. By far the finest choice Petunia for home gardens. **Pkt., 25c.**

**M-1343 — THEODOSIA** Large, fringed, rose-pink blooms with clear, golden yellow centers. **Pkt., 20c.**

**M1344—DAINTY LADY—(NEW).** Charming, Well-formed blooms of a luminous light yellow. Neat, compact growth. **Pkt., 20c.**

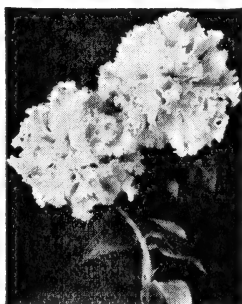
**M1339—ROMANY LASS.** Deep crimson, giant fringed. **Pkt., 20c.**

### SINGLE PETUNIAS

**BALCONY PETUNIAS.** A splendid large and free-flowering type for window boxes, vases, hanging baskets, etc. Preferred by many for bedding. The flowers average 3 inches across. Balcony Red, **1360**; Balcony Purple, **1362**; Balcony Rose, **1363**; Balcony White, **1364**. Any of above Balcony Petunias, **pkt., 10c.**

**1349—SINGLE MIXED PETUNIAS.** A wide range of colors and varieties including Rosy Morn, Celestial Rose, Elks Pride, etc. **Pkt., 10c.**

**1348—ELK'S PRIDE.** An elegant large-flowered Petunia bearing a great profusion of velvety deep purple blooms of exceptional beauty. **Pkt., 25c.**



ALL AMERICAN DOUBLE

### SINGLE PETUNIAS (Continued)

**M1350—FLAMING VELVET.** All-America Gold Medal in 1936. A rich velvety crimson, best of its color in this class. **Pkt., 15c.**

**M1351—BURGUNDY.** Deep wine red with white veined throat. **Pkt., 15c.**

**M1352—HOWARD'S STAR IMPROVED.** Crimson-maroon with a clearly-defined star of blushing white. **Pkt., 10c.**

### M1349—HOLLYWOOD STAR

Silver Medal Winner. All-America Selections, 1939.

This lovely new Petunia is a charming shade of rich rose with an amber throat. Flowers are in the form of a five-pointed star. Blooms so profusely that foliage is almost entirely hidden. **Pkt., 15c.**

**1354—CELESTIAL ROSE.** We have replaced Rosy Morn with this variety, which is superior in quality of color and compactness of plant. Deep rose color. **Pkt., 10c.**

### MINIATURE PETUNIAS

Large Flowers But Very Small Bushes

**1340—RUFFLED MARTHA WASHINGTON (Miniature).** A lovely novelty of dwarf compact growth, 9 inches high, smothered with brilliant blooms about 3 inches in diameter. The frilled portion of the plants is a charming flesh pink and the center is strongly veined with wine red. **Pkt., 20c.**

**M1357—MINIATURE ROSE GEM.** Silver medal, 1936. All-America Awards. Bright rose, plants only 6 inches high, bushing to a diameter of 8 inches. Flowers large—about 2 inches. **Pkt., 20c.**

**M1341—BLUE GEM.** Same as Rose Gem but blue color. **Pkt., 20c.**

### BETTER GARDENING

Regardless of whether you are an "old hand" or just a beginner you will find information of value in this 120-page book written by O'Brien—the "dirt gardener" of Better Homes & Gardens. Covers every phase of flower and vegetable gardening in a clear, easy to follow manner. Include it with your order for **25c** or postpaid on a separate mailing **30c.**





## ANNUAL PHLOX

### FOR COLOR AND CUTTING

One of the easiest of annuals to grow, the annual phlox of modern strains cannot be surpassed in their clear, vivid coloring and variety of tones. Seed may be sown in the open as soon as frost danger has passed, and flowers will appear in a few weeks. If faded flowers are removed they bloom until late frost.

Vase of Annual White Phlox, taken 4 days after picking, proving Phlox' superiority as a cut flower.



## GIANT RED GLORY

The newest of the popular art shade group and like every art shade phlox so far introduced, is an All-America Winner. Red Glory is the same color as Scarlet Flax, a free and continuous bloomer, tall, lightly foliaged, uniform and true. A wonderful flower for cutting. **Pkt., 25c.**

### 1367—SALMON GLORY

This Silver Medal Winner in the All-America Selections for 1939 is a popular addition to the Giant Art Shades strain. Easy to grow. It will produce with ordinary culture, individual flowers measuring 1 1/4 to 1 1/2 inches in diameter. Color is pure salmon with a distinct creamy-white eye. **Pkt., 20c.**

**1369—ART SHADES.** Mixed colors. Giant flowers in delicate pastel shades. Easy to grow. **Pkt., 20c; 1/8 oz., 90c.**

**REGULAR STRAIN ANNUAL PHLOX—1366,** white; **1370,** lilac; **1372,** scarlet; **1374,** mixed. Any of above colors, **Pkt., 15c; 1/8 oz., 75c.**

**1375—STAR PHLOX.** Mixed. Of dwarf habit, with very pretty, star-shaped flowers. A novel variety; 1 ft. **Pkt., 10c.**

### 1376—PERENNIAL PHLOX

In the past this beautiful perennial has been difficult to grow from seed, and the plants were usually too expensive to permit everyone to have as many as every garden deserves. Now by freezing the seeds in the ice trays of a refrigerator for three days and letting them thaw out gradually, they will germinate in about five days and are as easy to start as sweet peas. Our seed is saved from selected plant varieties, giving you the best in colors and in large type flowers. **Pkt., 15c; 1/8 oz., 75c.**

For large plants of perennial Phlox, see page 30.

### 1400 PYRETHRUM (P) (2 ft.)

These perennials are easy to grow and flower early in the spring. Most people know them as Painted Daisies. Delicate pink and red shades. **Pkt., 10c.**

## POPPIES FOR COLOR ANNUAL

Sow them early since they can stand frosts. They will flower quickly from seed and if successive plantings are made, they will supply continuous bloom. Seed will go farther if mixed with sand.

**1378—SHIRLEY POPPIES—Single.** 1 1/2 ft. high. The silk-like petals provide an almost endless number of colors. **Pkt., 10c; 1/4 oz., 20c; 1 oz., 50c.**

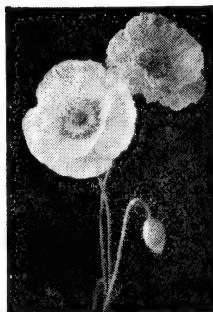
**M1385—SHIRLEY DOUBLE.** All colors mixed. **Pkt., 10c.**

**M1387—CAVALCADE.** Shirley double, pure red. **Pkt., 10c.**

**1380—TULIP POPPY—20 in.** Large tulip scarlet. **Pkt., 10c; 1/2 oz., 30c.**

**1382—FLANDERS POPPY—30 in.** Vivid scarlet-red. This flower has in the minds of men been associated for over two hundred years with the battlefields of Flanders. Sow with Centaurea Cyanus Double Blue. **Pkt., 10c.**

**1384—AMERICAN LEGION.** A greatly improved Flanders Poppy with very large single flowers of a scintillating rich dazzling orange-scarlet color. 2 feet. **Pkt., 10c.**



Shirley Poppy

CALIFORNIA POPPY, See Page 16.

### PERENNIAL POPPIES

**ICELAND POPPIES.** This variety of perennial poppy is easy to grow and make lovely showings especially in the early summer and spring.

**1395—EMPEROR.** 18-22 in. Finest giant orange variety, of distinct new form, with broad over-lapping fluted petals giving effect of semi-doubleness. Blooms freely first year from seed. **Pkt., 15c.**

**1391—SUNBEAM HYBRIDS.** Charming shades of orange, salmon, and pink. **Pkt., 15c.**

**1392—EL MONTE.** Deep tangerine orange flowers on wiry stems. Fine for cutting. **Pkt., 15c.**

**M1393—YELLOW WONDER.** Bronze medal winner, A. A. S. 1936. Fine, large flowered yellow. **Pkt., 15c.**

**1394—ORIENTAL POPPIES.** This old favorite perennial has been improved in size of flower and length of stem. They are colored deep red with dark center. Greatly in demand for cut flowers. If seed is started inside and transplanted, it will sometimes bloom the first year. **Pkt., 10c.**

### PORTULACA (A) (6 in.)



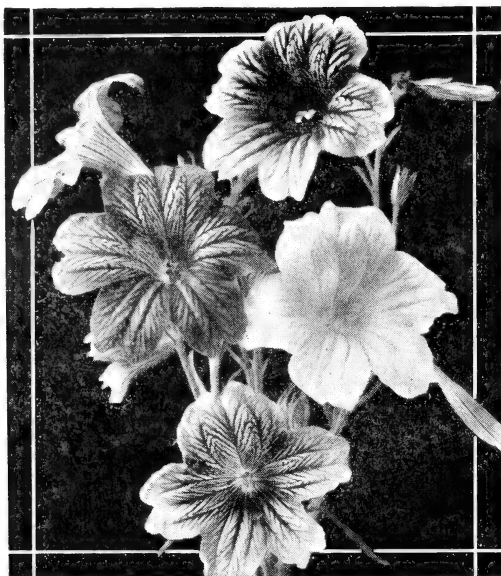
X-L Portulaca

This popular annual seems to thrive best in sandy soil and is like the proverbial camel when it comes to going without water. Grows about 6 inches high, fine foliage, and is covered with little rose-like blossoms about an inch in diameter.

**1398—Choice Double Mixed,** **Pkt., 15c; 1/8 oz., 90c.**

**1399—SINGLE PORTULACA.** **Pkt., 10c.**

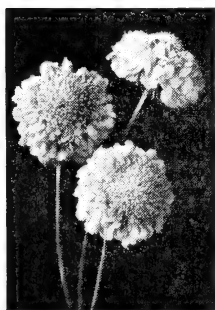
PLANTABBS SUPPLY A COMPLETE FERTILIZER WITH VITAMIN B1 ADDED. LARGE SIZE PACKAGE \$1.08 POSTPAID.



### SALPIGLOSSIS (A)

**BRILLIANT EMPORER STRAIN (30 in.).** Beautiful, easy to grow flowers, usually in deep tones set off by veins of gold. Give plenty of room, thinning plants to about one foot apart. Plant in open where it will remain without transplanting. Keep on dry side rather than too moist.

**1402—Emperor Mixed—Pkt., 10c; 1/8 oz., 20c.**



**X-L Scabiosa**

### SCABIOSA (a)

More people should know the improved type of the old fashioned Mourning Bride. Blossoms are about 3 inches in diameter with long stiff stems 10 to 15 inches long. They will keep well in vases for over a week at a time. The white stamens extend above the petals, giving it the common name of Pin Cushion Flower. **1410, Lavender; 1412, Dark Red; 1414, White; 1416, Dark Purple; 1418, Mixed Colors. Pkts., 10c.**

**M1411—BLUE COCKADE.** Award of merit, Royal Horticultural Society. Deep Blue. **Pkt., 10c.**

**M1413—ROSETTE.** Deep rose suffused salmon. **Pkt., 15c.**

**1419—SCABIOSA IMPERIAL GIANTS.** A great advance in annual Scabiosa development, an outstanding achievement. Extremely large, well formed flowers which are fully double, composed entirely of broad frilly petals, rounded bee hive shape. Plants very upright, growing 42 to 48 inches tall, long, heavy, wiry stems, excellent for garden use. **Pkt., 15c.**

**1420—PERENNIAL SCABIOSA (18 in.)** They are in blossom from June until October. Require little space and thrive in poor soil. Flowers are generally in dark shades of blue and lavenders and are borne on long erect stems and are excellent for cutting. **Pkt., 10c.**

### 1422—SCARLET RUNNER BEANS (A)

A splendid ornamental climbing bean bearing handsome large sprays of bright scarlet, pea-shaped blossoms with large showy foliage. Gives ample shade. **Pkt., 5c; 1 oz., 15c; 1/4 lb., 30c.**

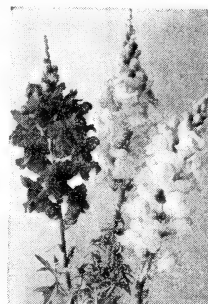
### 1424—SCHIZANTHUS (A)

The little blossoms that cover this plant resemble miniature orchids. They are very easy to raise and will do well in the garden or may be potted. **Pkt., 10c.**

## SNAPDRAGON (a)

"You Can't Leave Out Snapdragons"

**RUST PROOF SNAPDRAGONS.** By developing a strain of snapdragons immune to rust, scientists of the University of California have restored this brilliant flower family to leadership as a garden subject. Rust is a widespread disease which discolors the leaves and saps the vitality; if you have found snapdragons difficult to grow, rust is probably responsible. Growing the Rust-proof strain, difficulties disappear. Seeds germinate better, plants are more vigorous, the foliage clean, flowers large and of fine color and the flowering season prolonged.



**Antirrhinum, Rust-Proof**

**1429—ROSALIE.** This new rust resistant Snapdragon has an entirely different color than anything developed so far. It is a rich, deep rose and is underlaid with amber, giving it a richness that makes it stand out conspicuously among other colors. Plants produce 6 to 8 huge, long flowering spikes on which the florets are well arranged. Recommended very highly for both bedding and cutting. **Pkt., 25c.**

**1431—X-L RUST-PROOF GIANTS. 1428, Red; 1430, Pink; 1432, Yellow; 1434, Mixed. Pkt., 10c.**

### 1426—SHASTA DAISY (P)

(3 to 4 ft.) Our strain is the New Conqueror type which is much larger than the old variety of Shasta Daisy. They are pure white with yellow eye and are carried on long stiff stems. **Pkt., 10c.**

## STATICE

An easy annual to grow and valuable for arranging in bouquets. Retains full color when dried making it valuable for winter bouquets.

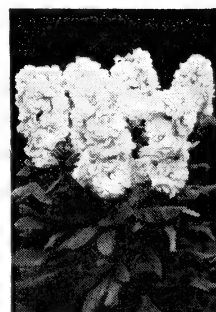
**1438—SUWAROWI—Russian Rat Tail Statice.** 30 in. One of the prettiest of all the varieties. Small rose pink colored blossoms set beautifully on long spikes. **Pkt., 10c; 1/8 oz., 40c.**

## STOCKS

### EARLY GIANT IMPERIAL

Stocks are one of the most popular annuals either for bedding or for pot culture. For brilliance and diversity of color, fragrance, profusion, and duration of blooms they are unsurpassed. They require a well-limed soil. This Early Giant Imperial strain forms many-branched plants about 2 1/2 feet tall having numerous spikes set with very large, double, delightfully fragrant blooms. Stocks may be started indoors and transplanted for earlier blooms. Long periods of hot weather sometimes cause blind stocks producing no flowers.

**1440, Mixed; 1442, Blood Red; 1444, Bright Pink; 1446, Canary Yellow; 1448, Deep Purple; 1450, Pure White. Pkt., 10c; 1/8 oz., 40c.**



**X-L Improved Stocks**

Sheridan, Mont.

We have had wonderful success with your seeds.

MRS. JOE MILLER.

## FRAGRANT OLD FASHIONED EVENING SCENTED STOCKS

1454—(A) (15 in.) Lilac flowers which in the morning, evening and after a shower, emit a delicious perfume perceptible at a considerable distance. Pkt., 10c.

### VIRGINIA STOCKS (A)

1452—MIXED (6 in.) Sown early these pretty annuals are gay in the period between the spring and summer flowers, their fresh bright colors in edgings and beds producing a charming effect, very fragrant. Pkt., 10c.

### SUNFLOWER (Helianthus) (A)

One of the showiest flowers that one can plant. Blossoms resemble huge bright Golden Dahlias.

1456—SUN GOLD. A new brilliant golden yellow splendid cutting flower producing 100% double and very free blooming. These stately plants grow from 4 to 5 feet high. Pkt., 10c.

1458—MAMMOTH RUSSIAN. Is largely planted for seed. It also makes a good windbreak and a very ornamental background. Pkt., 5c; oz., 10c.

### 1460—GIANT SWEET SULTAN (A-2½ ft.)

Finest of all Sweet Sultans for cut flower purposes. The beautiful sweet-scented, artistic shaped flowers are borne on long, strong stems; when cut and put in water will last for several days. Mixed colors. Pkt., 10c.

1462

## SWEET WILLIAM

(P) (15 in.)

For bedding Sweet Williams are one of the most desirable perennials. If the faded flowers are kept picked they will bloom for a long period of time. The plants increase in size each year. The flower heads are composed of many small individual flowers similar to Phlox and Pinks. Pkt., 10c.



X-L Sweet William  
 An old favorite that is glorified  
 by our X-L improvements.

M1455—NEWPORT PINK. Pkt., 10c.

M1459—SCARLET BEAUTY. Pkt., 10c.

M1461—PURE WHITE. Pkt., 10c.

### M1465—SWEET WIVELSFIELD

Annual Sweet William

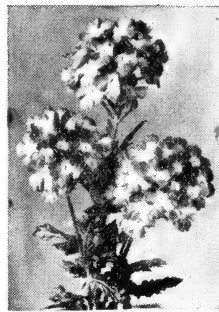
New race of "Pinks" with flowers somewhat like Sweet William, but larger and come in a greater variety of colors and markings. Grow 1 foot tall and bloom profusely for many weeks during the summer. May be grown as a biennial or perennial in mild localities. Mixed. Per pkt., 10c.

### 1467—TRUMPET FLOWER—Datura

An easy to grow annual making a bush about 3 feet high and quite spreading. Huge lily-like blossoms are white with faint rosy reflex. Seed pods are useful in ornamental arrangements. Pkt., 10c.

### VERBENAS (A)

Mammoth Verbenas may be easily grown by sowing the seed in the open as soon as possible or for early blossoms by starting the plants inside. They are especially fine for bedding and porch boxes.



X-L Verbena

1468, Pink; 1470, Scarlet; 1472, White; 1474, Purple; 1476, Mixed. Pkt., 10c.

### FREE FLOWERING VIOLAS (P)

Because of their free flowering habit and long season of bloom, Violas are becoming rapidly more popular for use in the foreground of the border, in small beds, and in rockeries where their dwarf spreading habit is welcomed. They continue flowering all summer.

1478—MIXED. Pkt., 10c.

### 1490—WILD CUCUMBER (A)

An ornamental climbing Cucumber with curious fruit; remarkable for its luxuriance and rapidity of growth. Best results will be had by sowing in the fall as germination is rather slow. To hasten germination in the spring the seeds may be soaked in warm water for at least 24 hours before planting. Pkt., 10c ½ oz., 25c.

### 1492—X-L SURPRISE GARDEN

Old Fashioned Garden Mixture

A mixture of new and old Annual varieties of flowers that will bring you many pleasant surprises. You will find many kinds that you have never seen before and also all of the well known favorites. This mixture has many varieties added that are good for cutting. Will give an "Old-fashioned Garden" appearance to that odd corner. Pkt., 5c; oz., 30c.

## VINES

Good vines for shade and for covering unsightly objects may easily be grown from seed. A few of the more popular ones are—Tall or Trailing Nasturtium, Hyacinth Beans, Cardinal Climber, Wild Cucumber, and Morning Glory.

**We Recommend**

**FULTON'S PLANTABS**  
 for all Garden Flowers

30 Tablets .....	\$ .27
75 Tablets .....	.54
200 Tablets .....	1.08
1,000 Tablets .....	3.95
Postpaid	

### FLOWER ARRANGING

Through the courtesy of Mr. R. F. Jorgenson of the Coca-Cola Company we have again made arrangements to supply Mrs. Laura Lee Burroughs' Volume No. 3. This book with its simple, but different arrangements will help you make the most of the cut flower. We will furnish this copy free upon request if your order for flower seed amounts to one dollar or more; or you may send 15c to cover costs and we will mail it without an order.

### X-L BRAND SWEET PEAS ARE EVERYONE'S FAVORITE FLOWER

So Easy to Grow. Ask for Free Culture Sheet

Denton, Mont.

Gentlemen:

Last spring I sent for a 25c package of your X-L Spencer Royal mixture sweet peas. They are the most gorgeous that anyone has ever raised in Denton. And out of town visitors said that they had never seen sweet peas as tall and with so many beautiful blossoms. They are 12 feet high and still have hundreds of blossoms (Oct. 5th). I have picked them every day since the first part of July and they are so high I must use a step ladder to reach them. I am enclosing a snap shot, but wished that I could have had a colored photograph to show the colors. Words could simply not describe their beauty. They had such long stems and most of them had four blossoms on each stem. I certainly want the same kind next year.

Sincerely yours,  
MRS. GEORGE HUNTER.

Red Lodge, Mont.

My sweet peas were the nicest I have had in several years.

MRS. C. E. THOMPSON.



X-L Sweet Peas Grown by  
Mrs. Geo. Hunter, Denton

#### OUR MOST POPULAR SELLER

### GRAHAM & ROSS ROYAL MIXTURE OF STANDARD FLOWERING SWEET PEAS

1554—This Grand Prize mixture has been carefully selected and balanced to incorporate only the best heat resisting varieties with large ruffled and wavy blossoms borne on long stems. We cannot recommend a better mixture for general garden use and for cut flowers. Even those people who have found it profitable to sell sweet pea bouquets will find this mixture remarkably adapted to their purposes. Pkt., 10c; oz., 25c; ¼ lb., 85c; ½ lb., \$1.45; 1 lb., \$2.60.

#### THE BEST STANDARD FLOWERING SPENCERS FOR THIS CLIMATE

All are produced on bushy vines. They are selected for their long stems and large, wavy blossoms. You will find that fading out and loss of color from the hot sun would be much less in these varieties than with many of the others that are being offered.

1536—SEXTET QUEEN. An unusually large white sweet pea often times having as many as 5 or 6 blossoms on a stem.

1538—HUNTSMAN. The brightest scarlet yet introduced. Makes an outstanding bouquet when used by itself.

1540—WARRIOR. A deep maroon. Is now considered better than any deep red available.

1542—PINKY. Still remains as one of the largest sweet peas in the deep pink class.

1544—POWERSCOURT. This beautiful lavender is outstanding in the standard flowering varieties. When combined with Pinky or Jumbo it makes a breath-taking bouquet.

1546—CREAM GIGANTIC. A large new cream that seems to hold color a bit better than the other cream shades.

1548—PATRICIA UNWIN. A deep creamy pink that eliminates the complaint of being "a washed out color."

1552—GOLD CREST. A clear salmon orange.

1556—JUMBO. This color has definitely been needed in the large wavy type sweet peas. A bright, cerise pink with an undercurrent of cherry red. Sets 4 blossoms.

1558—CHINESE BLUE. The only solid rich blue yet available. Large, wavy blossoms on long stems.

Prices on the above ten varieties:

Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.05.

#### Inoculate Your Sweet Peas With Nitragin

Nitragin puts the live, nitrogen-fixing bacteria right on the roots of your plants, and thus gives them a better start and assures quick growth. Nitragin is not a fertilizer, and should not be used as such. Recommended by U. S. Department of Agriculture. 10c package treats 4 lbs. of Sweet Peas or garden peas and beans.



#### EARLY FLOWERING SWEET PEAS

When sown at the same time as Standard Spencer Sweet Peas, they will commence blooming 10 days to two weeks earlier. While they have been the most popular type since their introduction, we find that they cannot stand the extremely hot weather quite as well as some of the standard flowering types.

The following Flowering Varieties are considered best for this climate. All have from 3 to 5 large, wavy blossoms borne on long, stiff stems. They are as nearly sun-proof as possible and most of them are delightfully fragrant. These Sweet Peas are also recommended for those growers that plant in the Fall.

1535—SHIRLEY TEMPLE. We have yet to find a better pink than Shirley Temple. Blossoms are fluted and daintily frilled and are borne generally in clusters of four on long, stiff stems. Foliage is heavy.

1568—MARS. The best deep red in the early flowering varieties.

1562—MRS. HERBERT HOOVER. Clear, deep blue flowers that are delicately perfumed.

1564—LAVANDA. We are using this variety as superior to Fragrance. It is a pure clear lavender so clear and uniform that full grown blossoms and partly opened buds are of exactly the same color. Without a doubt this excels all other lavender sweet peas.

1566—SNOWSTORM IMPROVED. Recognized as the outstanding white in the Early Flowering class.

Prices on any of the above straight colors in early flowering. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$1.80.

#### 1570—X-L NEW GIANT EARLY ORCHID FLOWERING MIXED

Try a generous row of this mixture in your garden. The blend contains a choice selection of named varieties, and the flowers will make a brilliant show. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25.

#### 1572—Everlasting or Perennial Sweet Pea

A hardy perennial climber. Sow the seed in rich ground 1 inch deep. They bear large compact clusters of flowers resembling those of the Sweet Pea but without fragrance and give profusion of bloom all summer. Mixed. Pkt., 10c; ½ oz., 35c; oz., 65c.



## Many Kinds of X-L ZINNIAS

Provide Endless Variety in Color and Form

### DAHLIA FLOWERED GIANT ZINNIAS

The best of all the Giant Zinnias for Montana. Flowers are thick and full, resembling show Dahlias. They are free bloomers; their graceful flowers being borne profusely on strong foliage—often 4 and 5 feet high.

- 1518—Purple Prince—Deep Purple  
 1520—Polar Bear—Clear White  
 1522—Will Rogers—Deep Crimson, Very Large  
 1524—Exquisite—Light Rose  
 1526—Golden—Yellow Orange  
 1528—Finest Mixed

All of the above colors, Pkt., 10c; ¼ oz., 35c; ½ oz., 60c; 1 oz., \$1.00.

### SUPER CROWN O'GOLD

1529—Pastel tints. This is the finest Giant Flowered Zinnia since the introduction of the Dahlia Flowered Giants, which, we believe, they will soon surpass in popularity. Each flower carries out the Crown O'Gold design; that is, each petal is deep golden at the base, while carrying out the individual flower color at the tip. Colors are soft, making them ideal for cutting. Plant in a warm sunny spot and irrigate rather than sprinkle for best results with this, as well as any other Zinnia. Pkt., 10c; ¼ oz., 50c.



X-L Dahlia Flowered Giants

### Fantasy Zinnias

A new and different type introduced a few years ago. The unusual flowers are well rounded, 3 to 3½ inches across and are composed of a mass of twisted tubular petals that are very attractive. Plants are about 2 feet high and bear profusely. Fantasy varieties have won two silver medals since their introduction.

1505—WILDFIRE. A new dazzling red Fantasy Zinnia. We believe this will be one of the most popular of this class. Pkt., 10c.

1506—STARDUST. Golden yellow. Pkt., 15c.

1504—FANTASY MIXED—All colors. Pkt., 10c.



Zinnia Fantasy

### 1503—SCABIOSA FLOWERED

MIXED. A distinct break in that the plants bear medium size flowers which have a great resemblance to the annual Scabiosa. They have broad outer petals and small center petals clustered together into a distinct cushion. There are many different and lovely colors represented; 24 to 30 inches high. Pkt., 10c; ¼ oz., 75c.



Zinnia  
Scabiosa Flowered

Too many gardeners limit themselves to only the giant types, overlooking the lovely pastel shades found in the Lilliputs and the unusual coloring and forms of the novelty varieties such as Fantasy and the Mexican Hybrids.

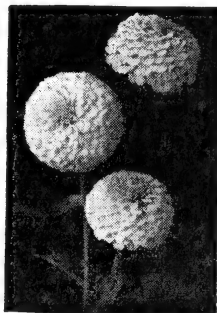
M1502—HOWARD'S CRESTED GIANTS. Similar to scabiosa flowered but much larger flowers. Pkt., 15c.

M1513—GAILLARDIA FLOWERED ZINNIA. Flowers resemble a double Gaillardia. Honorable Mention, All-America Selections 1938. Mixed colors. Pkt., 10c.

### Small Type Zinnias

#### 1496—LILLIPUT OR POMPON.

Mixed pastel shades. Neat, compact plants 1½ to 2 feet tall. Small flowers uniform in size and on long, stiff stems, making them an ideal flower for cutting. When we think of cut flowers, we automatically think of pastel shades and the lovely, soft tints of shell pink, creamy yellow, delicate salmon, orchid, apricot and light rose prove the excellency of X-L strain. Mixed colors. Pkt., 10c; ¼ oz., 50c.



Zinnia Lilliput

Lilliputs also supplied in the following separate colors:

M1493—Yellow; M1495—Orange; M1497—Pink; M1499—White; M1501—Salmon. Pkts., each, 10c.

#### 1508—RED RIDING HOOD

Here is another flower that we insist you add to your "Must Plant" list. Flowers are a deep red, double and average about 1 inch in diameter. It is exceptionally free flowering and makes a delightful showing either in the garden or in bouquets. Pkt., 10c; ¼ oz., 50c.

#### M1510—TOM THUMB MINIATURE ZINNIA—(Mixed)

A charming type with plants growing 6 to 10 inches high forming compact little bushes covered with perfectly double blooms of miniature size. All popular Zinnia shades. Pkt., 10c.

#### M1530—SANVITALIA

A grand border zinnia. Spreads about 8 to 10 inches and grows only about 3 inches high. Is covered with a mass of small yellow flowers. Pkt., 10c.

#### M1507—CUT AND COME AGAIN

On bushy plants 18 inches tall, fully double flowers are borne in abundance. The flowers average two inches across, and are held above the foliage on stout stems. Pkt., 10c.

#### M1498—HAAGEANA DOUBLE (Mexican Hybrids). The small

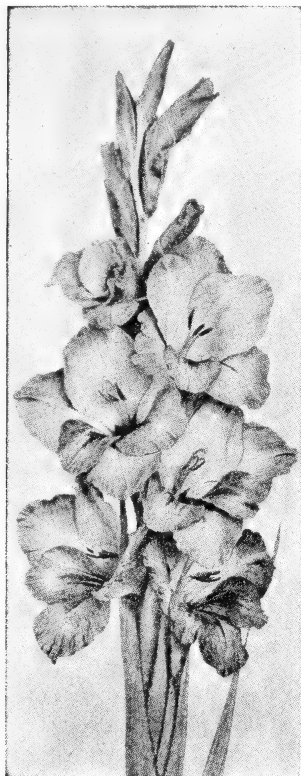
flowered Mexican Zinnias have a charm all their own. The smaller flowers lend themselves to bedding and make a brilliant display and yet have stems long enough to make fine bouquets for small vases and bowls. The mixture contains many attractive colors and color combinations. Pkt., 10c.

1500—ZINNIA LINEARIS (New). An enchanting and interesting little Zinnia of dwarf habit. The plants grow 10 inches tall reaching a diameter of 2 feet. They are completely covered with single golden orange blooms showing a lemon yellow stripe through the center of each petal. Pkt., 15c; ¼ oz., 85c.



Zinnia Linearis





## We Feature X-L Stately GLADIOLUS

The most gorgeous and beautiful of all summer flowering bulbs. "Glads" are easy to raise, take very little room and have only one serious insect pest. They are unexcelled for cutting. Bulbs may be saved from year to year by digging and storing in a cool dry place but the low cost of X-L bulbs hardly warrants this trouble. Plant bulbs about 4 inches deep in a sunny location. Light, sandy loam is preferred but you'll find that they are not finicky or fastidious and will thrive almost any place you put them. Start planting about April 1st, weather permitting, and continue planting every two weeks until June 1st. This will give you blooms all summer.

### X-L ROYAL MIXTURE GLADIOLUS

#### Large Choice Bulbs

Each year we sell thousands of these bulbs (never have enough to fill all orders) and we believe every customer has been exceptionally well pleased. This collection is made up of twelve varieties—each a different shade or color—grown separately and carefully mixed so that no one color is out of proportion.

**50 bulbs, \$1.00; 100 bulbs, \$1.90; 500 bulbs, \$9.00**

Postage, 10c for first 50. For each additional 50, add 4c. (No less than 50 sold at this price.)

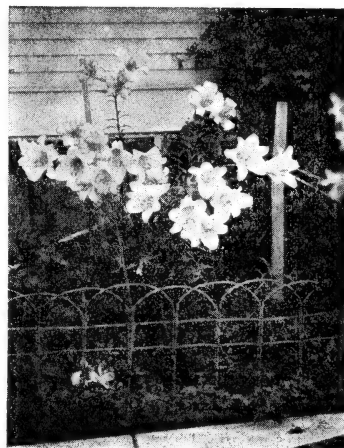
## HARDY LILIES

Lilies are truly among the most beautiful of all bulbous plants. They are especially suitable for planting in borders, and enjoy a position where they are protected by the shade of surrounding plants. Light, well-drained soil is recommended. Bulbs should be planted 5 to 6 inches below the surface, and to prevent the accumulation of excessive moisture, surround the bulb with coarse sand and fill in with a mixture of fibrous loam and leaf-mould.

**1902—REGAL LILY.** 3-5 feet. Magnificent, large trumpet-shaped, sweet scented, white flowers, shaded pink on the outside and tinged with canary yellow at the base. Blooms in July. Cover bulbs 7 inches deep. **15c each, postpaid.**

**1904—PHILIPPINE.** Pure white trumpet-shaped flowers on sturdy bushes; 2 feet high. **Sold Out.**

**1912—RED RUSSIAN. A Great Beauty.** The brightest of all lilies. Grows 20 inches high, foliage fine cut, stems slender, coral red flowers, splendid for cutting and for display in the flower garden or in the lawn. **Sold Out.**



### X-L Exhibition Dahlia Collection

**1700—**We are again able to offer this extremely popular collection—outstanding because of its low price and the fine Dahlias offered. Each root labeled and wrapped individually—and each root **guaranteed to grow.** Six giant flowers—name varieties for which you have been paying 25 to 50 cents each. Special postpaid collection price. **Six different roots, 95c**

### X-L GARDEN COLLECTION OF DAHLIAS

**1702—**A collection of six varieties—just as beautiful as our exhibition collection but varieties that have been grown for a long time.

**Guaranteed to grow.** Usually sell for 15 to 25 cents each. Special postpaid price—Six different roots, **69c**

Culture directions included in each collection.

## Annual Flower Plants

Annual flower plants should be set out about Decoration Day. Many varieties will start blooming at once and continue through the summer. We advise placing order early (before shipping time) because the plant season is necessarily short. New plants cannot be grown on the spur of the moment and the choicest plants are soon gone.

**NO LESS THAN 1 DOZEN OF A VARIETY SOLD.**

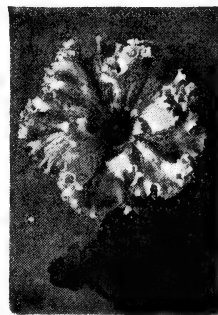
**Where Description Is Not Given Please See  
FLOWER SEED SECTION.**

1574—SWEET ALYSSUM—Dwarf White.  
1576—SWEET ALYSSUM—Violet Queen.  
1578—AGERATUM—Blue Ball, selected.  
1580—ASTER—Queen of Market. Blue,  
Pink, White.

1582—ASTER—Heart of France.  
1583—ASTER—Sunshine. Mixed colors.  
1584—PHLOX. Mixed colors.  
1585—PETUNIA. Pink or mixed colors.  
1586—PORTULACA. (Moss Rose, all  
colors).

1588—SNAPDRAGONS. Mixed colors.  
1590—STOCKS. Mixed colors.  
1592—VERBENA. Mixed colors.  
1594—LOBELIA. Dark Blue.

SINGLE RUFFLED PETUNIAS



All above plants are grown in greenhouse benches or flats. They have been transplanted several times, are stocky and well rooted, but are not potted.

**ALL ABOVE PLANTS 50c PER DOZ., F. O. B. GREAT FALLS. POSTAGE AND PACKING TO ANY CITY WITHIN 300 MILES, FOR 1ST DOZ., 25c, EACH ADDITIONAL DOZ., 6c EXTRA**

## X-L GIANT PANSY PLANTS

ALWAYS AN X-L FEATURE

Bushy plants, that bear large blossoms all summer long. Innumerable shades and colors. Plant several dozen in a semi-shaded place. Fertilize lightly but frequently and shallow cultivate often. These are the prize winners grown from expensive selected seed. All plants hardy, cold frame grown.

1614—X-L GIANT PANSIES. Dozen, 75c. Packing and postage to any city within the state, 30c Dozen Extra.

## POTTED PETUNIAS

Showy plants in full bloom when you set them out. By planting these you have a showy display six weeks earlier. Set plants 1 foot apart each way. This is the best size for window boxes and cemetery work.

1599—STRONG BUSHY PETUNIAS grown in 3-inch pots, transplanted three times. Each, 15c; dozen, \$1.65. Postage and packing, 1st plant, 15c; each succeeding plant, 6c additional.

1600—LARGER PLANTS grown in 4-inch pots, transplanted four times. 25c each; \$2.75 per dozen. Postage and packing, 1st plant, 20c; for each additional plant, add 8c.

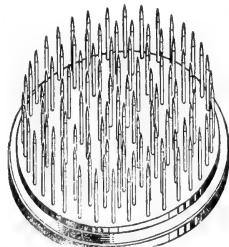
**REMEMBER—THERE IS NO SET BACK WITH POTTED PLANTS**

**NOTE—WHERE POSSIBLE WE RECOMMEND SHIPPING POTTED PETUNIAS AND GERANIUMS BY EXPRESS, COLLECT. IF SHIPPED THIS WAY ADD 10% FOR PACKING BUT DO NOT INCLUDE POSTAGE.**

### PIN TYPE FLOWER HOLDERS

Constructed of a heavy cast alloy base, supporting extra sharp solid brass pins. Especially suitable for the more shallow bowls or vases. Serviceable for all stems.

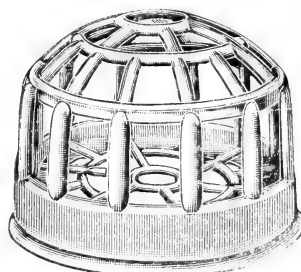
1½" dia., 25c; postpaid, 28c  
2¼" dia., 40c; postpaid, 45c  
3½" dia., 75c; postpaid, 83c



### DOME TYPE FLOWER HOLDERS

Stems are inserted in holes in dome. Use where stems must be set at angles.

1¾" dia., 25c; postpaid, 32c  
2½" dia., 35c; postpaid, 43c  
3¾" dia., 55c; postpaid, 63c



## GROW BETTER FLOWERS AND VEGETABLES

Get the most out of your gardening! Take advantage of the short-cuts! Learn how to grow new varieties! All this information is found in simple, easy to follow form in "Better Gardening" a 120-page book by a "dirt gardener." Illustrated with drawings that show you just how to go about planting, pruning, etc. 28 chapters that cover every phase for the home gardener. This book worth many times the low price asked. 25c if included with your order, otherwise 30c, postpaid.

## FOR YOUR VICTORY GARDEN

Ask for our new Victory Garden Guide—16 pages with all the information that the beginner needs to help him select the vitamin vegetables and grow them properly. Included free upon request with a \$2.00 seed order. Otherwise 10c, postpaid.

Use Transplantone when resetting flowers.



## X-L PEONIES

Are one of the showiest Perennials and well adapted to Montana

Special selection of roots enable you to plant as successfully in the Spring as in the Fall. Peonies may be ordered from this list for planting in September, October and November.

**Special Note:** The following Peonies are all strong 3-5 eye roots, carefully dug, inspected and specially wrapped with cultural directions in each package. They are protected entirely with cellophane.

**623W—FESTIVA MAXIMA.** Pure paper white with a few splashes of red in center. Very tall, strong growth and early. Bushes are filled with large rose type blossoms. **Each, 40c. Postage and packing 10c per root.**

**621W—EDULIS SUPERBA.** Dark pink, even color, large loose flat crown when fully open. Very fragrant; upright growth; early bloomer. One of the best peonies for large quantities of stiff stemmed, good sized flowers. **Each 45c. Postage and packing 10c per root.**

**626W—KARL ROSEFIELD.** As an early red this peony has no equal. Very large flower. Extremely vigorous grower. Tall, bushy plants and very free flowering. **45c each; postage, 10c per root.**

**Special Collection—1 Each of the 3 above named Peonies, \$1.35, postpaid.**

## New and Unusual Perennial Flower Plants

AS WELL AS MANY OF THE OLD FAVORITES

Will bloom year after year. Here's a selection of newer varieties and unusual flowers that are a refreshing departure from the old commonly grown flowers. The following plants are all field grown in Montana—hardy and acclimated. They will bloom this summer. Where description is not given see Flower Seed Section.

**1616—ASTER—Michaelmas Daisies.** Red.

**1618—ALYSSUM—Saxatile.**

**1620—ANCHUSA—Italica.**

**1628—CLOVE PINKS.** Old fashioned scented.

**1670—VIOLETS.** Old fashioned.

**1660—SHASTA DAISY—Alaska.**

**1622—CANTERBURY BELL—(Cup and Saucer).** Mixed colors.

**1624—CARNATION.** Dark Red.

**1632—DELPHINIUM.** Pastel shades.

**1634—DAISY—Giant Fall.** Large, white.

**1636—LYCHNIS—Viscaria.** Red.

**1640—ORIENTAL POPPIES.** Large red. Fall shipment only.

**1642—ICELAND POPPIES.**

**1644—PHLOX.** Deep red.

**1646—PHLOX.** Pink.

**1648—PHLOX.** White.

**1662—SWEET WILLIAM.** All colors.

**1626—CENTAUREA—Macrocephala.** Very showy. Great globe-shaped flowers of golden yellow borne on stiff stems. 2-3 ft. high.

**1630—COLUMBINE—Scott Elliott's Long Spurred Hybrids.** Colors range through lavenders, mauves, blues, whites, creams, pinks, and reds, with soft pastels predominating.

**1638—MEADOW RUE (Thalictrum).** Easy to grow perennials. Valuable for cutting and for mixing with bouquets, lavender shades.

**1652—PAINTED DAISY—Pyrethrum.** Single Red and Pink assorted.

**1656—RANUNCULUS—Acris.** Double yellow, upright growing buttercuplike flower. Good for damp places and for cutting. This variety does not spread.

**POTENTILLA — (Five Finger).** A splendid perennial that will thrive on any good garden soil but does especially well in sandy places. The two hybrids listed are valuable both for garden appearance and cutting, being in flower from July to September.

**1681—MISS WILLMOTT—Rose.**

**1883—WARRENSI—Clear yellow flowers.**

**BELL FLOWERS—(Canterbury Bells).** **1621—BELL FLOWER—Pure Blue.**

**1623—BELL FLOWER—White.**

**TRANSPLANTONE**  
Reg. U. S. Pat. Off.

Takes the risk out of transplanting. This hormone powder checks any set-back that might occur when moving flowers, shrubs, etc. 1 oz. makes 1,000 gallons, per package shrubs, etc. 1 oz. makes 1,000 gallons. **Per package, 1/2 oz., 50c, postpaid.**

**1639—PENSTEMON (Beard Tongue).** They are very showy, growing from 2 feet to 4 feet high, are rather bushy and have very long, slender spikes which bear many trumpet-shaped red flowers.

**1658—RAGGED ROBIN.** 3 feet. Bright red flowers from early June to early August.

**1661—SWEET ROCKET—Hesperis.** Perennial similar to Evening Scented Stocks. Pretty, graceful, and fragrant. Will do best where they receive partial shade.

**1666—STATICE LATIFOLIA.** Resembles perennial Baby Breath but flowers are dark purple. Grand for use in bouquets and for dried winter decorations.

**1668—VERONICA.** Classed as one of the best perennials yet a veritable stranger to Montana gardeners. Easy to grow, showy, and very hardy. The variety we offer (Spicata) grows about 24 inches high with lovely violet-blue spikes held in showy gracefulness, well above the foliage.

## PERENNIAL CULTURE

Since the perennial bed is permanent, thorough preparation when it is first started will save much work for the next five or six years. Spade deeply and supply any available humus, fortifying it with a well balanced plant food such as Vigoro or Plantone. The most inexpensive method of growing perennials is from seed which should be started in April or May, thus giving the plants enough time to become thoroughly established by fall. Early spring planting of seeds also generally results in better germination. When the seedlings are well established, transplant to their permanent place in the garden. Perennial plants provide a much easier way to start the perennial bed. Transplanting may be done with practically all varieties in either spring or fall. All of our perennials are winter-hardy and do not need extra attention. Be sure that you adopt a definite plan for your garden, adding to it each year, instead of "hit or miss" methods that are never satisfactory.

**PRICE ON ABOVE PERENNIALS 20c EACH; 6 FOR \$1.00. POSTAGE AND PACKING, 1ST PLANT 12c. EACH ADDITIONAL PLANT 5c. BE SURE TO ADD PACKING AND POSTAGE.**

# PERENNIAL FLOWER PLANTS

## BLEEDING HEARTS

## CUSHION MUMS

One of the best known perennials. Our plants of this old fashioned favorite are field grown, and carefully wrapped. They will bloom this summer and increase in size each year. **Each, 50c; 3, \$1.35.** Postage and packing, **1st plant, 10c; each succeeding plant, 4c.**

### 'Extra Special' Mums

**DEAN KAY**—This chrysanthemum is valuable to us because it is extremely hearty. Flowers are pleasing lavender-pink and are semi-double. **DEAN KAY** commences to bloom in early summer and continues until hard frost. It has much more spreading habit than the ordinary mums. Often times attaining a diameter of four feet. Bushes are low and will carry hundreds of blossoms.

### GARDEN CHRYSANTHEMUMS

**Absolutely hardy. Grow on taller plants than the Cushion Mums and have larger flowers.**

**1688—CLARA CURTIS.** Single pink flowers, about 2 inches in diameter. Absolutely hardy, profuse flowering, dryest and hottest weather does not affect it. No other plant will give so many flowers for so little trouble. A flower the amateur gardener can't keep from blooming.

**1690—EARLY BRONZE.** A remarkably early flowering pompon in full bloom early in September. Splendid for cutting and for garden decoration. Unusually free-blooming.

### DELPHINIUM—PACIFIC GIANTS

An outstanding strain originated on the Pacific Coast. Huge flowers two and one-half to three and one-half inches in diameter, beautifully spaced on well-balanced spikes. Thin woody stems. Comparatively mildew resistant, **this strain is practically 100% double.**

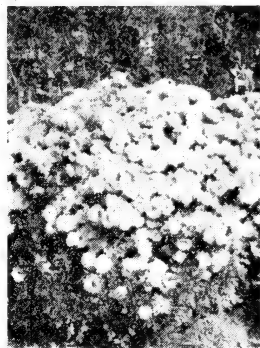
**1674—WHITE.**

**1676—DARK BLUE.**

### UNUSUAL GYPSOPHILA (BABY BREATH)

**1698—BRISTOL FAIRY.** A wonderful new introduction, Bristol Fairy produces large panicles of double flowers in which the individual flower is larger and of purest white. Flowers continuously throughout the summer.

These low growing chrysanthemums form mounds of flowers usually not more than 15 inches high and spreading 2 feet. They flower early and last until after heavy frost. Hundreds of flowers on every bush. Bushes increase in size each year. **1678, Pink; 1680, White; 1682, Bronze; 1684, Yellow; 1686, Red.**



**A 3-year-old "Cushion Mum" with over 750 blooms. Grown by Mrs. J. I. Denham, 610 Eighth Ave. So.**

### 1692—SCABIOSA

**FISCHERI.** New and ideal because of the compact bush which grows only about 1½ feet high. Flowers large and of a beautiful deep lavender blue shade.

### 1696—VIOLETS

**MONMOUTH DOUBLE RUSSIAN.** Perfectly hardy, producing an abundance of double, sweet scented flowers. Plant in a partial shaded spot.

### 1693—GARDENIA FLOWERED CAMPANULA

The petals of this double white bell flower are so arranged that they resemble a gardenia.

### 1694—TROLLIUS

Anyone that has ever seen this flower in bloom immediately makes up their mind to have it in their own garden. The globe shaped flowers are bright orange and yellow and the foliage is very finely cut. It can be used to advantage in partially shaded spots. **Trollius** blooms in May and June.

**Prices of above Perennials except Bleeding Hearts 35c each. Any 3 plants for one dollar. Packing and postage, first plant, 15c each additional plant, 5c**

## BOOKS

### To Help You Make a Better Garden

By special arrangement with the publishers we are able to supply "Better Gardening" by Harry R. O'Brien, who is familiar to many readers through the pages of the "Better Homes and Gardens." Written simply in "dirt gardener language" by a man who is a "dirt gardener" himself. This 120-page book is composed of 28 chapters. A few of these chapters cover the following subjects. Soil and Soil Preparation; Fertility and Fertilizers; Cultivation and Weeds; Pruning; Vegetable Gardens; Insect and Disease pests; Annual Flowers; Peonies; Roses; Outdoor Bulbs; Shrubs and Trees; Evergreens; Fruits and Berries. Profusely illustrated. This book in our opinion is superior to many in our library selling at \$2.00 to \$3.00. Special offer made to our customers, each 25c. If not included with your order please include an extra 5c to cover mailing.

## Victory Garden GUIDE

### HOW TO MAKE A VICTORY GARDEN

Here is a new pamphlet of 16 pages written especially for those people whose victory garden this year will be their first attempt at gardening. Contains vitamin charts, garden layouts, etc., and is an especially fine little book. Free on request with orders totaling \$2.00 or we will mail it upon receipt of 10c.

## X-L HARDY EVER BLOOMING ROSES



**DAME EDITH HELEN**

### RED

**E. G. HILL**—Immense flowers of dazzling scarlet that shade to deep red as they develop. Does not fade. Delicately fragrant and long lasting. Good for cutting.

**ETOILE de HOLLANDE**—The finest dark red roses with beautiful oval shaped buds.

**McGREDY'S SCARLET**—Vivid deep rose. Fragrant full double flowers of good size. Very good.

**PRAIRIE KING**—The favorite red rose for Montana. Dark red, it is perfect for mass bedding in the garden. Does not hold up very well when used for cutting. Free blooming. Very hardy.

### YELLOW

**MRS. P. S. DU PONT**—A sulphur yellow rose easy to grow. Buds are small but exquisitely formed. This rose has won more gold medals for outdoor blooms than any other rose.

**MRS. E. P. THOM**—Large well shaped blooms of canary yellow.

**GOLDEN DAWN**—Very double fragrant blooms of lemon yellow.

### WHITE

**F. K. DRUSKI**—Very large, snowy white. Extremely hardy.

Many people think that roses are difficult to grow, but we can assure you that if ordinary care is used in following the directions on all of our tags telling how to plant, that you will experience no difficulty. These plants begin blooming early in June and will bear continuously throughout the summer. They are hardy and will winter without loss from year to year. Each plant is carefully wrapped in a special waterproof paper with the roots preserved and protected in damp packing material. The stems are waxed to prevent drying out and premature budding. When shipped by mail, all roses will be pruned to the proper height before shipment.

**CHARLOTTE ARMSTRONG** — (Patent No. 455) — Pictured in color on inside back cover. This rose is of surpassing beauty. Long slender blood red buds open to magnificent flowers of bright red when the weather is cool or cerise when the weather is extremely hot. Long stems. Good for cutting.  
Each, \$1.25. Dozen, \$13.50.

### MULTI-COLORED

**TALISMAN**—This favorite needs no description but many people are unaware that it can be easily grown and is perfectly hardy provided good stock is purchased.

**CONDESA DE SASTAGO**—A small double rose of golden yellow, beautifully striped with shades of red.

**PRESIDENT HERBERT HOOVER**—Many consider this the best of the two tone roses. Orange with red shading in center.

**MRS. SAM McGREDY**—Large very double, shading from scarlet through copper to orange.

**EDITH NELLIE PERKINS**—Rich orange outside, salmon pink inside. A rose of outstanding merit. Vigorous in growth and freely flowering with fragrant pointed buds. Long lasting.

### PINK

**DAME EDITH HELEN**—Shapely buds of clear pink. Sweetly scented and freely produced on long strong stems. Very vigorous.

**KILLARNEY**—A bright and sparkling pink that is a favorite for cutting.

## CLIMBING ROSES

Climbing roses are hardy for this section of Montana but because the top growth is greater than the root system they must be taken down and the canes covered with a light mulch of corn stalks, coarse straw, or similar material. This protection is needed only to break the cutting edge of the wind.

**CLIMBING AMERICAN BEAUTY**—A strong healthy, vigorous grower covered with good sized flowers and very free blooming. Color a pleasing pinkish-red. The best known climber.

**PAUL'S SCARLET**—Semi-double flowers. Good size and freely produced in clusters on much branched canes. Color a vivid scarlet.

**SEVEN SISTERS**—An unusual climbing rose because the rosy red blooms are always grouped in clusters of seven.

## ROSE PRICES

Prices on all roses listed except Charlotte Armstrong: 65c each. Three for \$1.75. \$6.50 per dozen. Postage to third zone: First rose—10c. For each additional rose add 3c. **Be sure to include postage.**

### IMPORTANT NOTICE

Orders for roses should be sent in early. We will ship at proper planting time. Please give second choice or permission for us to substitute the nearest type to ones ordered if we are sold out of variety selected.

### ROSES FOR GIFTS

These roses with the beautiful colored tags are excellent gifts and especially at Easter. With due allowance for postage shipment can be made parcel post any place in United States. If desired appropriate cards will be included.



# HARDY NURSERY STOCK

It is with deep regret that it will be necessary for us to curtail to a considerable extent our nursery department but because of the difficulty in securing trained labor we had no other choice. We have a considerable quantity of evergreens, shade trees, and ornamental shrubs growing in our nursery lot and if you are interested in any particular specimen we suggest that you write and we will inform you as to prices and ability to supply.

The following shrubs are individually wrapped in moist mulch and are dormant stock. Each has a colored tag showing variety and giving complete cultural directions.

## SHRUBS

**DOGWOOD—Golden Twig**—Grows 6 to 8 feet high, with clusters of fine white flowers; white berries. The bark is a beautiful golden yellow. **2 to 3 feet, each, 60c; 3 to 4 feet, each, \$1.00.**

**SPIREA VAN HOUTTEI**—Called bridal wreath. Blooms profusely with pure white flowers. Graceful habit of growth. **2 to 3 feet, each, 50c.**

**SNOWBALL**—A favorite shrub bearing great masses of bell-shaped white flowers in May. Grows 8 to 10 feet tall. **1½ to 2 feet, each, 85c.**

**HONEYSUCKLE—Pink**—A very popular shrub, very hardy and a fast grower. Thrives under almost any condition. Delicate pink flowers in early spring. **2 to 3 feet, each, 65c.**

**SNOW BERRY**—A hardy shrub that does especially well in shady locations. Pink flowers that bloom in masses during the spring are followed by large white berries. **Two to three feet, 65c each.**

**SUMAC—Fern Leaf**—A very rapid grower. Thrives in shady places. Attractive long feathery leaves, finely cut. Ideal for contrast planting. **3 to 4 feet, each, 60c.**

**LILAC—Dr. Breiten Schneider**—The ideal purple type variety for this section. Blooms later than common purple, which eliminates the danger of a late spring frost killing blooms. A hardy upright grower with no tendency to form suckers. **2 to 3 feet, each 85c.**

**DOGWOOD—Golden Twig**—Grows 6 to 8 feet high, with clusters of fine white flowers; white berries. The bark is a beautiful golden yellow. **2 to 3 feet, each 65c.**

## EVERGREENS

**BLACK HILLS SPRUCE**—Now considered the best evergreen for planting in this district. Drouth and cold resistant and seemingly able to withstand rust. Forms a beautiful compact, bushy tree that will stand shearing. **18 to 24 inches, each, \$4.50; per pair, \$8.50; 3 to 3½ feet, each \$6.50; per pair, \$12.50.**

**MOERHEIM BLUE SPRUCE**—The bluest of the blues. A selected species with grafted top. Color deeper and more perfect than Colorado Blue. Grows in shapely form, thickly studded with well-formed tapering branches. Unequaled for specimen planting on the lawn. **2½ to 3 feet, each \$10.00.**

**JUNIPER SCOPULORUM GLOBE**—Silvery foliage and close perfect globe shape growth. Thrives in hot, dry weather when color is brightest. Very hardy. **15x15 inches, each, \$5.00; per pair, \$9.50.**

**JUNIPER IRISH**—Ultimate height 8 to 12 feet. Foliage a deep blue-green. Grows in a narrow compact form. One of the most popular of all junipers. **2 to 3 feet, each, \$4.50; per pair, \$8.50; 3 to 4 feet, each, \$5.50; per pair, \$15.50.**

## VINES



Silver Lace Vine covering an arbor at the home of Don Ross, 3000 1st Ave. No., Great Falls, Montana.

**SILVER LACE VINE**—In a few short years this has come to be America's No. 1 vine for covering archways, arbors, lattice fences, etc. It is graceful, hardy and easy to grow. Will grow 25 feet or more in a season and a fully developed specimen is a cloud of misty white, with tints of yellow and pale rose, suggesting old lace. Not affected by insects, especially grape leaf hoppers. Strong 2-year-old field grown plants. **Each, 75c; 3 for \$2.00.**

**CLEMATIS CRIMSON STAR**—Large crimson red flowers. Started plants in 3-inch pots. **Each \$1.35. Postage 10c extra.**

**CLEMATIS JACKMANI**—These vines are beautiful for the masses of intense violet-purple blossoms. This vine is perfectly hardy and easy to grow but care must be exercised so that the slender stems are protected and are not broken the first year or two they are planted. A shingle of stake suffices. Started plants in three inch pots. **Each \$1.00. Postage, 10c extra.**

Reg. U. S. Pat. Off.  
**TRANSPLANTONE**

Prevents root shock and wilt when transplanting trees, shrubs and vines. ½ oz. package sufficient for average home garden and yard. **25c, postpaid.**

**KEEP UP YOUR HOME  
To  
KEEP UP YOUR MORALE**

When you "plant your home" you increase its value

Dunkirk,  
Your service was excellent, and all the seeds we purchased from you last spring germinated well and made nice vegetables. The strawberry plants were very good also.

**RALPH JOHANNSEN.**

# Burbank Would Have Thought You Were Crazy!

SPEED UP GERMINATION? TRANSPLANT SEEDLINGS, ROOTED CUTTINGS, AND MATURE PLANTS WITHOUT SHOCK OR WILT? HOLD FRUIT, BLOSSOMS AND LEAVES ON PLANTS?—ALL THIS WITH JUST CHEMICALS? IF YOU HAD ASKED LUTHER BURBANK IF SUCH THINGS WERE POSSIBLE HE WOULD HAVE THOUGHT YOU WERE CRAZY. BUT THINGS HAVE CHANGED SINCE BURBANK'S TIME AND YOU CAN DO ALL OF THESE THINGS—SIMPLY AND EASILY WITH A CHEMICAL OR HORMONE POWDER CALLED ROOTONE.

# ROOTONE

Reg. U. S. Pat. Off.

This hormone powder, containing the most widely effective plant hormones known, stimulates the formation of roots on cuttings and hastens the germination of seed. Just dust your seed with ROOTONE powder or dip cuttings in the powder before planting. You will be pleasantly surprised at the strong, sturdy roots and superior vigor that results. Florists, nurserymen and seedsmen—the experts—all prefer and use Rootone.

## HERE IS YOUR GUARANTEE

This applies to 25c pkg. only.

We realize that it is unusual to guarantee anything connected with seeds, but our own results with seeds treated with Rootone makes us wish that every one of our customers would try it—with absolutely no risk involved. The 25c package contains enough Rootone to treat seeds for the average home vegetable or flower garden. Plant a foot or two in each row without treating the seed—then shake a very small amount of Rootone into the seed package and roll it around so that all seeds are coated with the fine dust, and plant the seed in your usual way. If you are not pleased with the better and quicker germination and sturdier growth of the treated seedlings, send us the empty Rootone package and we will refund your money. ROOTONE IS SIMPLE TO USE—BUT THE RESULTS ARE ASTOUNDING.

## ROOTONE HAS BEEN TESTED IN ACTUAL FIELD CONDITIONS

### LOOK AT THESE RESULTS

Corn—Increase per acre .....9.5 Bushels  
Alfalfa—Increase per acre .....900 lbs. (Hay)  
Sugar Beets—Increase per acre .....11.2 Tons

Quantity of Rootone needed will vary, depending on size and character of seed, but approximate quantities are:

Pasture Grasses—1 oz. to 10 lbs. of seed; 1 lb. to 160 lbs. seed.  
Clover and Alfalfa Seed—1 oz. to 15 lbs. of seed; 1 lb. to 240 lbs. of seed.  
Corn and Peas—1 lb. to 450 lbs. of seed.  
Sugar beets—1 lb. to 300 lbs. of seed.

Where Nitragin is used to inoculate legumes, the seed should be dusted first with Rootone—then inoculated. Where Semesan is used, the Rootone may be mixed with the Semesan. **FULL DIRECTIONS WITH EACH PACKAGE.**

### PRICES OF ROOTONE

1/4 oz., 25c, postpaid; 2 oz. jar, \$1.00, postpaid; 1 lb. can, \$5.00, postpaid.

### DISCLAIMER

Since the use of all hormones is still in an experimental stage, and since its application is beyond our control, we can give no warranty whatsoever as to results, with the exception of the offer stated above on the 25c package. However, we sincerely believe that the use of these hormones will benefit every planter and we urge that you try them on part of your plantings.

Mr. Earl Summers of Chinook, Montana, had the following experience with Rootone:

"After use of Rootone on sugar beet seed this spring, we found seed germinated more quickly, plants had a nice green color, and had practically no 'damping off,' as we have had previous years. There were a number of fields in this locality reported to have loss from root rot."



GERANIUM CUTTINGS — Treated and Untreated.

**TRANSPLANTONE**—You can move seedlings, shrubs, flowering plants or trees without wilt or the usual setback after transplanting. Full directions on every package. 2-oz. package—(Home garden size)—50c.

# FRUITONE

REG. U. S. PAT. OFF.

**FRUITONE**—For tomatoes—prevents blossom drop—prevents pre-harvest drop of apples. Garden size, \$1.00.

**WATCH YOUR GARDEN BLOSSOM OUT!**

... when you use

*Thompson's*

**VITAMIN B<sub>1</sub> PELLETS**

## THOMPSON'S VITAMIN B<sub>1</sub> PELLETS AND SHAKE-A-DROP BOTTLE

... are easy to use. Dissolve a pellet in the Shake-A-Drop Bottle and then shake one drop into a gallon of water and apply to all plants.

Enough for 200 gallons, 25c. Enough for 2,000 gallons, \$1.00.

Vitamin B<sub>1</sub> has been very beneficial in increasing growth of flowers and vegetables. It is not a fertilizer but in some manner breaks down or releases plant food so it is available. Vitamin B<sub>1</sub> increases size and number of blossoms.

Famous as a root-growth factor and stimulant, THOMPSON'S B<sub>1</sub> Pellets have been enthusiastically endorsed by thousands of gardeners. Too, remember.

# YOUR SOIL NEEDS HELP



NEW—simple, easy, quick way to VITAMIZE your entire lawn and garden. Assure yourself of gorgeous, luxuriant flowers and a beautiful, attractive lawn that will be the envy of your friends and neighbors.

## NO FUSS — NO MESS — NO BOTHER

Simply remove the nozzle from your garden hose, drop a VITAMIST Cartridge into the hose, replace the nozzle and turn on the water. **NOTHING ELSE LIKE IT.** One Cartridge will VITAMIZE 1,500 square feet.

### THIRTY WEEKS' SUPPLY .....POSTPAID

Packed 30 cartridges in a box—enough to VITAMIZE 1,500 square feet once a week for 30 weeks.

**\$1.00**

## Bloomlife Cut Flower Food

Adds 2 to 5 days to the life of cut flowers. No recutting of stems. No change of water. Bloomlife comes complete—ready for use—nothing to add.

Enough for 2 quarts, 10c; postpaid, 12c. Bulk size, enough for 50 quarts, \$1.40; postpaid, \$1.50.

## INOCULATE ALL CLOVERS, ALFALFA AND OTHER LEGUMES WITH NITRAGIN



Over 40 years ago it was recognized that Legumes not inoculated are "soil robbers" and Legumes well inoculated are "soil builders." To improve your soil, increase your yields, and ASSURE A GOOD STAND be sure to inoculate with Nitragin. "Spend a penny to make a dollar."

**IMPORTANT—When Ordering Always State Name of Seed or Give Culture Group Letter**

Culture Group	Legume Seed to be Inoculated	Can Sizes	Amount of Seed Can Sizes Will Inoculate	Unit Price
A	Alfalfa			
	All Clovers.....	1/2 bu.	30 lbs.	.30
		1 bu.	60 lbs.	.50
		2 1/2 bu.	150 lbs.	1.00
C	Peas—Canadian .....	1/2 bu.	30 lbs.	.25
	Garden, Sweet, Field	1 bu.	60 lbs.	.35
		1 1/2 bu.	100 lbs.	.50
D	Beans			
	String, Snap, Wax....	1/2 bu.	30 lbs.	.25
	Navy, Kidney and Scarlet Runner .....	1 bu.	60 lbs.	.35

Garden size—for sweet peas, garden peas, and beans—package inoculates 1 oz. to 6 lbs., 10c.

**IMPORTANT—Nitragin is a live bacteria and must be fresh each year.**

## HYDRATED LIME

Use 10 lbs. per 100 square feet

A neutralizer for soil acidity. One of the best for increasing blooms on Lilac bushes. 10 lbs., 40c; 25 lbs. 75c; 50 lbs., \$1.00; 100 lbs., \$2.00.

## X-L "ROSE GROWER" BONE MEAL

This is a special brand for our trade. It is ground extra fine, hence acts quickly and is free from acid. It is made from fresh packing house bone and should not be compared with bleached bone gathered from the prairies. Our "rose-grower" bone has been slightly steamed to soften it and is thus quicker in its action. 5 lbs., 45c; 25 lbs., \$1.60.

## VIGORO

At the time this book goes to press Vigoro in the regular form—the kind you are used to is available only in 100 pound bags and can be sold only to commercial growers—that is anyone who raises food for distribution to people other than their own families. We believe the price of the 100-pound bag will be \$4.50, but this price is subject to revision.

## PLANTONE

Will not be available if present restrictions are held in force.

There is a possibility that restrictions will be lightened so that complete fertilizers will be available for all home gardeners. As soon as we receive definite word we will prepare a bulletin and will be glad to mail it to anyone writing in indicating their interest.

## TREBLE SUPER PHOSPHATE

The increased profits that can be made by fertilizing alfalfa clover, potash, and grain fields with Treble Super Phosphate has been proven in every district in this state. Cost is small, only 125 to 250 pounds of phosphate is used per acre and usually is applied once every three years. This year it will be widely used on vegetables and even lawns. If possible for these purposes it should be used in conjunction with manure because manure will furnish some nitrogen and potash. When using Treble Super Phosphate on lawns and gardens, great care must be used to make sure that too large a quantity is not used at one time. This would cause burning of the treated area. If you are not familiar with proper method of using, please ask for directions when you place your order.

Less than 100-lb. bags, 5c per lb. 100-lb. bag, \$3.25. Per ton, \$52.50, F. O. B. Great Falls.

## MURIATE POTASH

Potash should be used liberally, especially on all root crops.

10 lbs., \$1.00; 25 lbs., \$2.00; 100 lbs., \$7.50, F. O. B. Great Falls.

## AMMONIATED PHOSPHATE

This is a 6-30-0 mixture that may be sold to be used on potatoes and tomatoes only, and by commercial nurseries for their own plantings. At this writing restrictions prohibit its use for all other purposes. Please state whether you fall into the above category when placing order. Ammoniated Phosphate will increase yields tremendously on potatoes and tomatoes and should be applied at the rate of about 200 pounds per acre where the soil has been heavily cropped.

## ALUMINUM SULPHATE

Can be used to advantage on all flowers and garden crops but is especially recommended where a slightly acid condition is desired, such as for roses and blueberries.

Per lb., 15c; 5 lbs., 65c; 10 lbs., \$1.20, F. O. B. Great Falls.

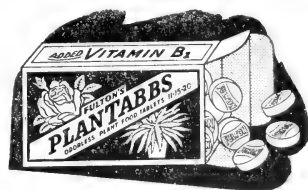
## PEAT MOSS FOR SOIL IMPROVEMENT

Peat Moss does not contain any plant food and is of no value for this purpose. However, it is vitally necessary for supplying humus and organic material and for putting soil in its best possible growing condition. It will hold moisture in light sandy soil and will help break down clay soils and make them friable. It is valuable as a mulch and will keep weed growth down. Clean and odorless.

Per lb., 10c; Per bale of approximately 100 lbs. or 22 bu., \$4.25; 1/2 Bale, \$2.65, F. O. B. Great Falls.

May be used on all garden vegetables, flowers, etc., as federal restrictions do not apply to them under their present formula. Plantabbs are easy to use and will produce marvelous results on potted plants, garden flowers and vegetables. Vitamin B-1 is incorporated so plants that are in need of this vitamin are supplied. This eliminates necessity of buying both Vitamin B-1 and fertilizer.

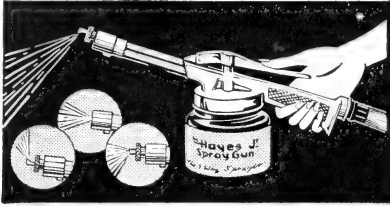
30 tablets, 25c. Postpaid, 27c. 75 tablets, 50c. Postpaid, 54c. 200 tablets, \$1.00. Postpaid, \$1.08. 1,000 tablets, \$3.85. Postpaid, \$3.95.



# GARDEN SPRAYERS

## HUDSON SPRAYERS

So far the factory has been unable to obtain steel and other necessary metal for the manufacture of these products. This condition undoubtedly will change before the actual spring season begins. We suggest that you write to us letting us know the kind of sprayer that you are in need of.



## HAYES JR. SPRAY GUN

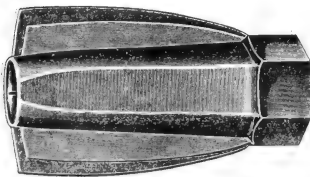
This is just right for the average size garden and to take care of the average city home. This sprayer mixes the insecticide with the water as the plants are being sprayed. Makes 3 gallons of spray material at one time. Sprays liquids and most wettable powders, up, down and sideways. Light, easy to use. Just attach Hayes Junior to the garden hose, turn on the hydrant, lightly press the conveniently long lever—and Hayes Junior sprays. Gives efficient performance that you would expect from heavy, expensive equipment. Operates on water pressure from 30 to 175 pounds. No moving parts to wear out or break which insures long life and service.

Each \$5.95, F. O. B. Great Falls. Shipping weight 4 pounds.

## PLASTIC HOSE NOZZLE



**PLASTIC HOSE NOZZLE—Standard Size—Adjustable** for sprays, streams, and shut-off! Modernly designed, light in weight. Smooth finish and with a complete variety of sprays and streams. Leak proof shut-off. You will enjoy using this beautiful red plastic nozzle. No. 7038—Each, 85c. Postpaid 90c.



## MIST-IC

Flat fan-shaped Spray—Fine spray does not wash roots—never clogs—no water wasted. Made in durable plastic. Each, 50c. Postpaid, 55c.

## PLASTIC HOSE MENDER



7045—5/8-inch, each 10c.



7043—5/8 inch. Each, 35c.

## GARDEN HOSE

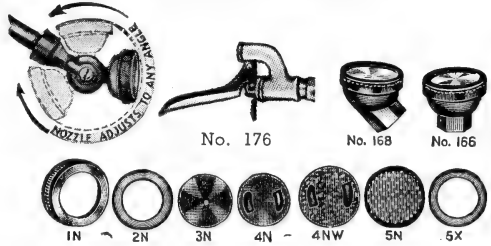
50 feet



Complete with  
Couplings.....

**\$4.49**

## SPRAYER REPAIRS



In addition to parts listed we have a complete stock of pump gaskets, washers and other sprayer parts.

1N—Fog Nozzle Cap. Each .....	\$0.15
2N—Fog Nozzle Washer. Each .....	.05
3N—Fog Nozzle Outside Disc, Reg. Each .....	.10
3N—Fog Nozzle Outside, Disc, Fine. Each .....	.10
4N—Fog Nozzle Inside Disc, Reg. Each .....	.10
4NW—Fog Nozzle Inside Disc, for whitewash. Each .....	.10
5N—Fog Nozzle Screen. Each .....	.10
155—Adjustable Nozzle .....	\$1.15
176—Shut-off .....	1.75
168—Angle Nozzle .....	.60
166—Straight Nozzle .....	.60
5X—Spray Head Gasket .....	.05

Sprayer Hose tested for 200-lb. pressure, 25c per ft.

## TOP GASKETS FOR SPRAYERS

P33—Rubber gasket for top of tank using Cam lock. 1 3/4 in. inside dia. Each, 15c.

P33-S—Same as P33 but oil resisting. Each, 25c.

P30—Rubber gasket for top of tank using screw top 1 3/4 in. inside dia., 15c.

P30-S—Same as P30 but oil resisting. Each, 25c.

P40—Rubber gasket for open head Perfection sprayer, 5 11/16 in. inside dia., 35c.

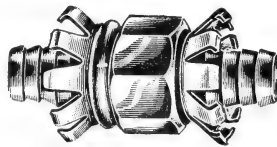
P40-S—Same as P40 but oil resisting. Each, 50c.

P41—Rubber gasket for top of Climax open head sprayer. 3 7/8 in. inside dia. Each, 25c.

P41-S—Same as P41 but oil resisting. Each, 35c.

## PLASTIC COUPLINGS

Just hammer down the clamps.



7044—5/8 inch. Each, 40c.



7046—5/8 inch. 20c Each.

## CLAMPS FOR MENDING HOSE



Made of heavy weight. Best quality. Stripped steel. Holds evenly all the way around the outside of the hose. Nut is wedged in place so that clamp may be tightened with only one hand. 5/8 inch. Each, 5c.

## RUBBER WASHERS

Fits standard size couplings. Made of red rubber 1/8 inch thick. Per doz., 10c.



Plastic Couplings are durable

Germaco

# Hotkaps Help You Grow Earlier, Hardier Vegetables and Flowers

Germaco **HOTKAPS**—strong little hot-houses—protect plants from destructive frost, storms, insects. University Agricultural Experiment Station tests prove **HOTKAPS** increase total yields 18% to 51%, promote bigger fruits and vegetables, ripen plants 3 weeks earlier. Quick, easy to set, instructions on package. 100 million used by successful growers. Beat everyone with first vegetables, flowers. Order today. 25 Hotkaps with Setter, 50c; 100 package with Setter, \$1.95; 250 package with Setter, \$3.50. Postage extra.

## MARKET GROWERS

University tests prove Germaco **HOTKAPS** nearly **double** your **early** marketable yield per acre, help you get highest out-of-season prices. Premium profits pay for them many times over. Crop failure is costly—**HOTKAPS** protection is cheap! Order today. 1,000 for \$11.00. 5,000 lots, \$10.75 per M. 10,000 lots, \$10.50 per M. Steel Setter, \$1.35. Postage extra. Write for Free Booklet.



*Like* **ALL NIGHT RAIN**  
**IT REALLY SOAKS THE SOIL**

12 FEET  
**\$1.40**

18 FEET  
**\$1.90**

SOIL-SOAKER

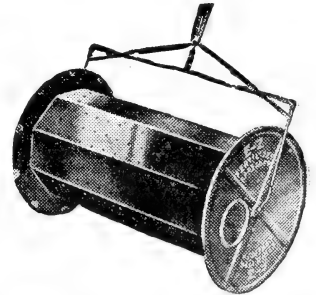
SCREWS TO HOLD TO MOSE  
 TREATED TO PREVENT MILDEW  
 END CLOSED



## Gloves for Gardening

Made from soft and select hides. Semi-styled in design and used for both work and play—GARDENING, HOUSEHOLD, DRIVING, etc. Give full protection with utmost comfort and finger freedom. Also soften the hands. Washable. Ladies' sizes only (small, medium, large). Price \$1 a pair.

## Fertilize your lawn...Sow your seed the NEW E-Z way!



## ... Scientific: Quick, Economical

It's fun to fertilize your lawn the new "E-Z" way. Simply fill container with any commercial fertilizer, guide like a vacuum cleaner, and your lawn is covered—quickly, scientifically, uniformly. Dependable construction assures long life for your efficient, economical Germaco E-Z Fertilizer Spreader. Order yours now.

Germaco

Pat. No. 2,008,129. Pat. Pend.

ONLY

**E-Z FERTILIZER  
SPREADER**

**\$1.25**

## ATTRACT WILD BIRDS!

Improve the beauty of your "outdoor living room" with an attractive bird bath.

Baked clay, everlasting finish. Plain bath. Consists of 23-inch pedestal and bowl 18 inches in diameter. Each \$5.95. Wt. 30 lbs.

Fountain and Bird Bath Combination. Ready to attach to garden hose. Total height 30 inches. Both 18 inches in diameter. Each \$9.75. Weight 35 lbs. F. O. B. Great Falls.

Hotkaps mean earlier cucumbers, squash and other vegetables





Place 'Twist-ems' around stem and support



Twist ends between finger and thumb



In a "flash" stem is securely tied

### A Twist of the Wrist

AND THE PLANT IS TIED . . . "Twistems"—strong, dark-green "invisible" tapes with wire reinforcing—protect stems, permanently support annuals, perennials, vines, shrubs and vegetables. Eliminate unsightly twine, raffia and needless work with shears. Grand for flower arrangement. Millions used. Buy today.

GERMACO

## 'TWIST-EMS'

### PAPER, CLAY AND GLAZED POTS

#### Water Proof Paper

Made of tough waterproof paper eliminating breakage. Research has proved that this new pot encourages maximum growth. The walls of the pot are non-porous and promote a more even distribution of moisture. Try them if you raise your own flowers and vegetable plants. The plants are grown from seed to maturity.

Do not confuse with red paper pots, suitable only for shipping.

Box of 125, 8-inch size, 25c.  
Box of 250, 4-inch size, 25c.  
Box of 125, 16-inch size, 50c.



Size	Per Doz.	Per Doz.	Per 100	Per 100	Per 1000
		P. P.	P. P.	Gt. Falls	
2 1/4 in.	15c	18c	\$1.00	\$1.10	\$9.00
3 in.	20c	23c	1.30	1.40	11.00
4 in.	30c	36c	1.95	2.05	17.50

#### Red Clay Pots

Diameter	Shipping Wt.	Price
3"	1/2 lb.	6c
4"	1 lb.	12c
5"	2 lb.	18c
6"	3 lb.	27c
7"	4 lb.	35c
8"	6 lb.	55c
9"	8 lb.	65c
10"	10 lb.	\$1.05
12"	17 lb.	\$1.75

Pots are approximately same depth as diameter. All prices F.O.B. Great Falls. Add shipping cost.

### GLAZED JARDINIERES AND POTS

Famous Bauer clay pots with high glazed finish in turquoise brown, light blue, dark blue, white, and black. Pots are without holes, if drain holes are desired please state and we will punch them before shipping. To avoid breakage loss in shipping we urge you to include 5c for insurance by parcel post or specify express or freight delivery.

Diameter	Shipping Wt.	Price	F.O.B.	Great Falls
3"	1/2 lb.			20c
4"	1 lb.			25c
5"	2 lb.			39c
6"	3 lb.			59c
7"	4 lb.			69c
8"	5 lb.			85c
10"	8 lb.			\$1.49

### WOOD LABELS

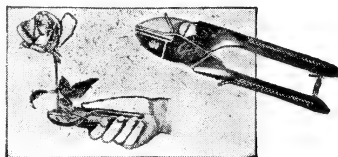


Made of Red Cypress, will last a lifetime. Perfectly white and smooth and never requires paint.

Size	Per 25	100	500
4 in.	\$.15	\$.45	\$1.85
6 in.	.20	.60	2.60
10 in.	.25	.95	4.40

Copper Wired Tree and Dahlia Labels	.20	.55	2.10
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### SNAP-CUT FLOWER PICKER & PRUNER

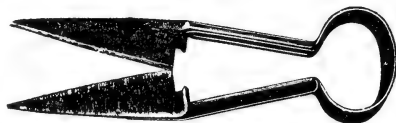


Cuts and holds flowers with one hand. A perfect one-hand flower picker with the famous "Snap-Cut" action that cuts and holds all flowers. Also, the ideal pruner for roses, small shrubs, etc., that easily cuts branches up to 1/2 in.

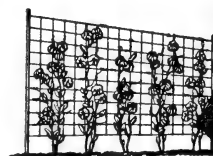
diameter. A handy, light weight, pocket size cutter, for general gardening work. Chrome finish—6 inches long. Each, \$1.50.

### GRASNIPS

Made of the finest crucible steel, well tempered. Blades are hollow ground and highly polished. Will hold a fine cutting edge a long time.



No.	Wt.	Price
3	1 lb.	65c
5	1 lb.	55c



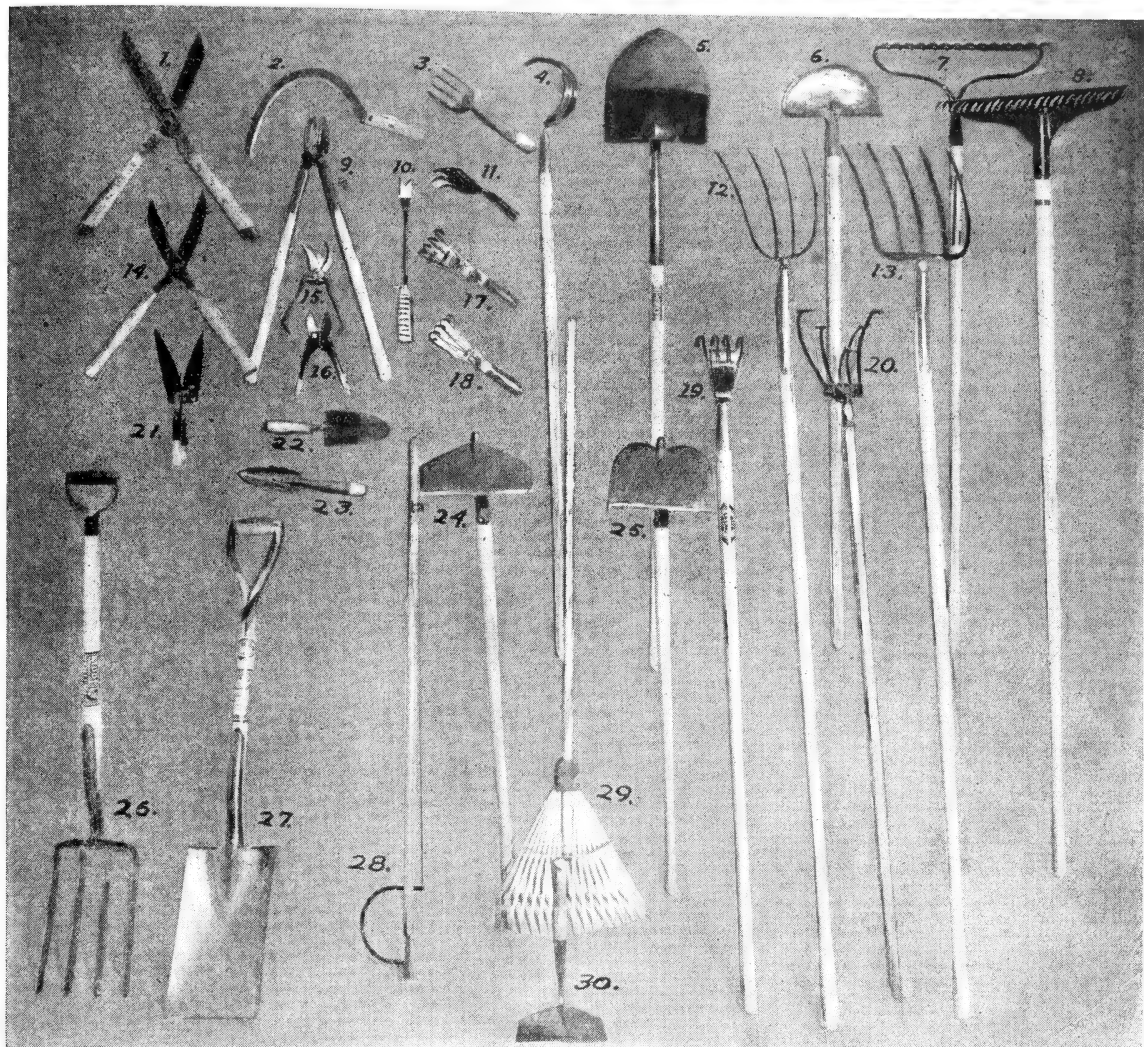
Cut No. TR-1

**NEW!**  
**DIFFERENT!**

## Weatherized TRELLIS NETTING

Ideal Support for SWEET PEAS, GARDEN PEAS, POLE BEANS, CUCUMBERS, TOMATOES. Grows finer, larger flowers and vegetables. Hung with ease in 5 minutes; no fuss or bother. Use instead of string or wire. (Wire in sun burns delicate tendrils.) Doesn't rot like string—lasts several seasons. In 3 sizes: No. 1, 60x72 in., 39c; No. 2, 60x96 in., 49c; No. 3, 60x180 in., 69c. Postpaid.

## TRAIN-ETTS



Numbers shown on photo, but not listed below are not available. All prices f.o.b. Great Falls unless postpaid price is stated.

**No. 1—HEDGE SHEARS.** 8-inch blades. Same as pictured but with round handles. "True Temper." High quality. Per Pair \$3.00; postpaid.

**4N—HEDGE SHEARS.** 8-inch blades. Very satisfactory for light work. \$1.30.

**14N—HEDGE SHEARS.** Good quality 8-inch blades. \$1.75.

**34N—HEDGE SHEARS.** 8-inch blades. Good quality carbon steel. Per Pair, \$1.95.

**No. 2—GRASS HOOK.** Good quality steel. Each 45c; postpaid, 60c.

**No. 3—FLOWER GARDEN FORK.** Pressed steel. 15c; postpaid, 25c.

**No. 4—PYATT SPRING TOOTH HOE.** Made of highest quality carbon steel. \$1.49 each. By Express or Freight only.

**No. 5—NO. 2 SHOVEL.** Just right for spading, and so forth. Good quality. \$1.85.

**No. 7—GARDEN RAKES.** Good quality, \$1.00. Highest quality carbon steel. White ash handle. Guaranteed against breakage. \$1.49. Express or Freight only.

**No. 8—DANDELION RAKE.** An all-purpose rake for cleaning dead grass, dandelion blossoms, etc., from the lawn. Will not tear out roots. \$1.25. Express or Freight only.

**No. 9—PRUNER.** 20-inch handle. Rockdale highest quality steel. \$1.95. SEYMOUR SMITH. Good quality, \$1.35; postage, 20c.

**No. 10—DANDELION DIGGER OR ASPARAGUS KNIFE.** Long. Highest quality steel. Each 50c; postpaid, 60c.

**No. 12—FORK.** 4-tine. High quality carbon steel. \$1.45 each, by Express or Freight only.

**No. 13—FORK.** 5-tine. Carbon steel. \$1.80 by Express or Freight only.

**No. 15—PRUNING SHEARS.** \$1.25; postpaid, \$1.35.

**No. 16—SNAP CUT PRUNER NO. 119.** Bronze cutting handle. Replaceable cutting parts. The best "snap cut" manufactured. Each \$2.00; postpaid, \$2.10.

**SNAP CUT NO. 19.** Good quality and suitable for average home garden. \$1.60 each; postpaid, \$1.70.

**No. 20—5-TOOTH CULTIVATOR.** Teeth made of highest quality carbon steel. Removable teeth permit straddling rows of seedlings. Each, \$1.35; Express or Freight only.

**No. 21—GRASS CUTTERS.** Easy action. Finest quality. \$1.50 per pair; postpaid, \$1.65.

**No. 24—BEET HOE.** Long handle. \$1.10. Express or Freight only.

**No. 25—GARDEN HOE.** Good quality 7-inch blade. \$1.00. By Express or Freight only.

**No. 26. SPADING FORK—\$1.50. F. O. B. Great Falls.**



ALL INSECTICIDES F. O. B. GREAT FALLS—ADD POSTAGE

### ACME GARDEN GUARD



For dusting all vegetables. Non injurious to humans and warm blooded animals but very effective in killing insects of all kinds. Especially recommended for cabbage, cauliflower, etc.

One pound sifter carton, 40c; 4-lb. bag, \$1.10.

### Evergreen Garden Spray

Highly concentrated, odorless, Pyrethrum contact insecticide for control of aphids, leaf hoppers and many other soft bodied insects. We have found this very effective for leaf rollers, web worm, and blister beetles on hedge. One ounce makes 6 gallons of spray for aphids.

One oz., 35c; 6-oz., \$1.00; 16-oz., \$2.15; gallon, \$12.20.



### ACME BAIT-M WITH METALDEHYDE

An attractive insect bait for plant protection. Contains metaldehyde, the marvelous new discovery for control of snails and slugs. Also contains Calcium Arsenate effective against cutworms, ear wigs, sow bugs, grasshoppers, and certain other insects which migrate on ground.

1½ lb. ....35c 4 lb. ....85c



### ACME STOP



A sticky tree banding compound for use on trees, shrubs, and vines to prevent insects from crawling up to destroy foliage. Simplifies the spraying problem later. A gummy sticky oil mass retaining stickiness over a long period. Easily removed from hands and tools with kerosene soaked cloth.

6 oz. ....35c 1 lb. ....65c

### ACME WEED KILLER



Destroys weeds and all vegetation. The kind to use on driveways, clay courts, paths, etc. Also widely used in spotting out dandelions, plantain, and other noxious lawn weeds by application undiluted, using a weed cane or squirt-bottom oil can.

Quart ..... 55c Gallon ..... \$1.60

### ACME RED RIVER POTATO MIX



Dust or Spray. A scientific formula combining a patented copper fungicide with quick-killing arsenic. Kills potato bugs quicker—drives off flea beetle and leaf hopper—prevents blight—stimulates foliage. Get top prices for your harvest.

1 lb. bag ....35c 4 lb. bag ....85c



### ACME EMO-NIK

A valuable spray for the control of scale, red spider, mealy bug, white flies, rust mites, aphids, and many other common insects. A complete contact insect spray combining nicotine in its most active form with Emo, a high quality summer oil emulsion. Practically odorless when sprayed.

4½ oz. ....35c Pint ....65c Quart ....\$1.00

### ACME BORDEAUX MIXTURE

Prevents large losses caused by blight, rot, mildew, scab, anthracnose, etc. Stimulates plant growth, increasing the harvest. Almost every kind of vegetable, fruit, and shrub can be improved by Bordeaux spraying.

1 lb. ....30c 4 lb. ....70c



### ACME ARSENATE OF LEAD



The widest used arsenical insecticide. Safe on tender foliage for the control of chewing insects on fruit trees, vegetables, tobacco, and many other plants. Controls grubs in lawns.

½ lb. ....20c 1 lb. ....35c 4 lb. bag ....80c

### ACME APHIS SPRAY

An improved nicotine spray combining a soft spray soap with Black Leaf 40. As a contact spray controlled tests prove it to be more effective against a wide range of soft bodied sucking insects than any other contact spray. Mixes easily with any kind of water. Complete directions found with every package. Recommended for aphid (plant lice), thrip, leaf hopper, and many more hardy insects infesting rose bushes, flowers, shrubs, vines, bushes, and trees.

3 oz. collapsible tube ....35c 12 oz. ....\$1.00



### ACME PARIS GREEN

Strongest and quickest acting of all arsenical insecticides. Used on hardy foliage such as potatoes, cotton, tobacco, and in insect baits where extreme measures are necessary.

1 lb. ....55c 5 lb. ....\$2.35  
14 lb. ....\$5.40

### ACME WETTABLE DUSTING SULPHUR



An improved dusting sulphur for home use which can also be used as a liquid spray. Controls red spiders on evergreen, mildew, leaf spot, black spot, and rust on rose bushes, chrysanthemums, snapdragons, carnations and certain other foliage. 98% passes through a 325 mesh screen. An excellent chigger chaser.

2 lb. sifter carton .... 30c

### ACME SCIENTIFIC ROSE SPRAY



A "system" of spray treatment for roses and flowers of all kinds. Eliminates guess work. Each set contains three separate items—A, B, and C—each scientifically made to combat one of the three major classifications of blight and insect pest. Mix all three together with water. Use regularly. Result: complete all-around protection. Surprisingly economical.

Sizes	Amount of Spray	No. of Roses Protected all season	Prices
No. 3	12 qts.	7 to 12 bushes	\$0.95
No. 6	24 qts.	15 to 25 bushes	1.50



## FOR BETTER CROPS TREAT SEED WITH THESE DEPENDABLE MERCURY DUSTS

**FOR WHEAT, OATS, BARLEY, FLAX, RYE and PEAS** use Ceresan— $\frac{1}{2}$  oz. per bushel.

1 lb. 80c; 4 lbs. \$2.70; 25 lbs. \$15.00. F. O. B. Great Falls.

**FOR CORN**—Semesan Jr. Use 2 oz. per bushel.

$\frac{1}{2}$  oz. pkg. 15c; 1 lb. 75c F. O. B. Great Falls.

**FOR ALL GARDEN AND FLOWER SEEDS AND BULBS.** Use Semesan— $\frac{1}{3}$  oz. treats several pounds.  $\frac{1}{3}$  oz. pkt. 10c; 2 oz. 40c; 1 lb. \$2.50. F. O. B. Great Falls.

**FOR POTATOES**—Semesan Bel helps to destroy scab—increase yield. 2 oz. treats 5 bushels. 2 oz., 30c; 1 lb., \$1.65; 5 lbs., \$7.15. F. O. B. Great Falls.

## P. A. C. FORMALDEHYDE

Use for preventing smut on oats, wheat, barley and rye and also used for preventing scab on potatoes. Full directions furnished with each can. Per 1-lb. can, 29c. Add postage. Prices not guaranteed.

## COPPER CARBONATE FOR PREVENTING SMUT

Mountain Copper Carbonate is extra fine ground and is uniform in texture, giving better coverage than most copper carbonates sold. Being a dry treatment, the seed corn can be treated in the winter or slack season. Much more effective than wet treatment. 18 per cent recommended for spring grain. Use 2 oz. per bushel. Per 5 lb. pkg., \$1.15; 50 lbs., \$10.50. Ad postage.

50 to 52 per cent recommended for winter wheat. Use 2 oz. per bushel. Per 5 lb. pkg., \$1.75; 50 lbs., \$16.50. Add postage.

## ACME KOPPER SHIELD

A Pruning and Tree Wound Paint



An antiseptic treatment to prevent such diseases as European canker fungus, hard rot, and certain other fungi from penetrating the wounds while the tree is naturally overcoming the shock. Covers twice as much surface as ordinary bituminous compounds.  $\frac{1}{2}$  pt., 25c.

## EXITO ANT KILLER

**GUARANTEED TO RID YOUR HOUSE OF ANTS OR MONEY BACK.**

Exito Ant Killer is easy to use. Pour a small amount in bottle cap or shallow fruit jar covers and set them around the house where the ants are causing most trouble. We guarantee that within 24 hours that your worries will be over.

Per bottle, 25c; postpaid 34c

**ONE SPRAYING KILLS WEEDS**  
DOES NOT KILL GRASS

**\$1.55**  
GALLON

## BLACK LEAF 40

Kills aphid, red spider, etc. Dilute 1 oz. to 1 gal. of water. 1 oz., 35c; 5 oz., \$1.05; 16 oz., \$2.42. Add postage.



Meo-181—Kills plantain, dandelions, etc. Apply with compressed air sprayer or atomizer. One gallon covers 200 sq. ft. Per gallon \$1.55. In 5-gallon lots, \$1.45 per gallon. Shipping wt. 10 lbs. per gallon. Add freight.

## ACME SPRAY SOAP

A fish oil soap effective by itself in destroying many sucking insects and lice on plants, trees, ferns, etc. Also extensively used with nicotine and other contact sprays to enhance their effectiveness.

1 lb.....35c      5 lb.....\$1.50



**TUBES TO HANG IN TREES AND ALONG FENCES, ETC. 25c EACH.**

## ANTROL KILLS ANTS IN THEIR NESTS

Consists of small glass containers from which worker ants carry special Antrol Syrup to their nests for food. The whole ant family is quickly killed at the source—the only way to get permanent relief.

Set of 4 filled bottles, 40c; postpaid, 48c.

Bottles 4 oz. 25c; postpaid, Pint 65c. Add postage.



## CYANO GAS ANT KILLER

A gas-producing powder. 4-oz. spout can is enough to treat ant nests in average lawn—30c; postpaid, 35c.



## CYANO GAS A-DUST

Kills rats, moles, woodchucks (ground-hogs) and other rodents instantly. "It's the gas that kills 'em."  $\frac{1}{2}$  lb., 45c; 1 lb., 75c; 5 lbs., \$3.00. F.O.B. Great Falls.



## CYANO GAS G-FUMIGANT

For bedbugs, moths, rats, etc. Regular use insures insect-free house all season. 5 lbs., \$3.00; 25 lbs., \$10.00. F.O.B. Great Falls.

## DON'T LET DOGS RUIN YOUR TREES AND SHRUBBERY

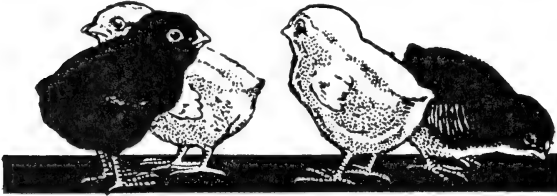
Keep them away with **G & O DOG SPRAY**. Does not contain free oil or other substances injurious to Evergreens and other plants. A small amount sprayed full strength every three or four weeks will be found very effective in correcting the bad habit of dogs. 8 oz. can, 60c, postpaid.



**"Give Me 28 per cent More Poultry Meat  
And 13 per cent More Eggs and I'll  
Guarantee You Profitable Prices"**



**— Here's One Place You Can Help —  
— Produce This Unrationed Food for Victory**



**Reduce Mortality, Increase Production  
By Brooding**

## **ERVINGS CHICKS**

**Produced in the Largest U. S. Approved  
Hatchery on the Pacific Coast**

### **HERE'S WHAT ERVING GUARANTEES YOU:**

- Approved by Montana Livestock Sanitary Board for shipment into Montana.
- U. S. approved and U. S. Pullorum tested.
- Every bird in Erving's breeding flocks individually graded, tested, legbanded by a Washington State Inspector under the supervision of the National Poultry Improvement Plan.
- An official "Pullorum Free" certification on each shipment.
- Absolutely no custom hatching in Ervings Hatchery.
- No egg weighing less than 23 ounces per dozen used in the breeding flocks.
- All breeding males from trapnested dams with egg records of 250 eggs or more on sire's side.
- Erving hatched flocks were highest in Montana Demonstration record groups: 1940, 1941.

#### **CHICK PRICES SUBJECT TO CHANGE WITHOUT NOTICE**

Erving can furnish day-old chicks from the **following breeds only**: Large size (4 to 5 lbs.) White Leghorns, New Hampshire Reds, Rhode Island Reds, Barred Rocks, Leghorn-Minorca cross. (These birds are known as Legorcas, white birds, larger than Leghorns and good layers of large white eggs.)

**50—\$8.00      100—\$15.00      500—\$73.75      1,000—\$145.00**

All prices prepaid your station. Deposit required on all orders—\$2.50 per hundred chicks.

#### **DAY-OLD PULLETS**

**White Leghorns — Legorcas**

**50—\$17.00; 100—\$32.00; 500—\$157.00; 1,000—\$310.00**

**New Hampshires—Rhode Island Reds—Barred Rocks**

**50—\$11.00; 100—\$20.00; 500—\$97.50; 1,000—\$190.00**

**Deposit Required—\$5.00 per 100. 97% Pullets Guaranteed.**



### **WHITE ROCKS—WHITE WYANDOTTES—BUFF ORPINGTONS**

Since we could not secure these breeds from Erving we have made arrangements with the Northern Hatchery, Minneapolis, to take care of our customers. This hatchery and its breeding flocks were inspected by Mr. Donald Ross and we feel that our customers will be satisfied in every detail. All chicks are 4A grade and handled under direct supervision of the National Poultry Improvement Association.



#### **DAY-OLD CHICKS AS HATCHED**

**50—\$8.00      100—\$15.00      500—\$173.75**

**Fully postpaid. Deposit \$2.50 per hundred**

#### **DAY-OLD PULLETS**

**50—\$10.00      100—\$19.00**

**Postpaid. Deposit \$5.00 per hundred**



**We do not book orders for day-old Cockerels or Mixed Heavies.**

The supply of chicks will be much less this year due to labor shortages—the demand greater—therefore order early.

**DO NOT DELAY — ORDER TODAY**



# HUDSON BROODERS AND REPAIRS

At the present time we are unable to obtain brooders of any type. There is a possibility that some will be available before the brooding season begins and we invite your inquiry. We are in hopes of supplying repair parts for all Hudson Brooders, some of which are listed below.

## REPAIR PARTS FOR YOUR HUDSON AIR BLAST OIL BROODER

	No.	Price	P. Paid
Burner Cap for Burner .....	K7X	\$ .25	\$ .28
Metal Sediment Bowl .....	K8B	.10	.13
Sediment Bowl Washer .....	K10B	.05	.08
Wafer for Thermostat .....	K29C	.30	.38
Complete Automatic Valve Assembly .....	K64C	3.00	3.10

## DON'T BLAME US IT'S SCHICKELGRUBER'S FAULT

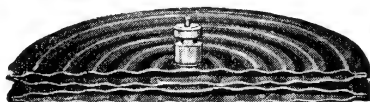
It is possible that these and many other items listed in this catalog will not be available during the entire year and we urge you to order immediately.



### BADGER BURNER

The most satisfactory chimneyless burner ever developed. No. 2 only. Each, 55c; postpaid, 58c.

**We Carry Other Burners and Lamp Bowls in Stock**



### THERMOSTATS

A double wafer that responds instantly to temperature variations. Each wafer is independent of the other. Post reinforced at base. Lower wafer reinforced

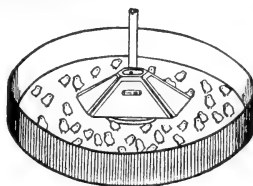
at contact point. New sleeve invention permits you to use the same wafer for either oil or coal brooders and all incubators where a 3-inch thermostat can be used. Fits all standard makes. No. 33U, 35c each postpaid.

## DIAMOND G CORRUGATED BROODER HOUSE GUARDS Safeguard Your Chicks

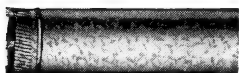
Easily erected. Adjustable for any size brood. Prevents drafts on chicks. Eliminates crowding in corners. No. 711, 40 feet by 12 inches, \$1.25 each. 1 per bundle, weight 3 lbs.

Add Postage

**Be Prepared  
Order Now**



## SMOKE PIPE FOR COAL AND OIL BURNING BROODERS



Made in 2-foot lengths only.

Add postage.

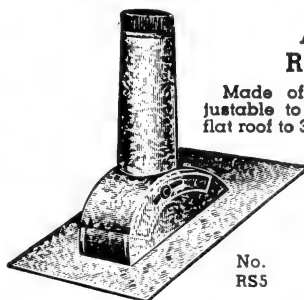
Size	Wt.	Price
5 in.	2 lbs.	35c

Adjustable Galvanized Elbows. 5-in. 2 lbs., 60c.



### TIME CLOCK FOR POULTRY HOUSES

We have available automatic electric time clocks to be used in turning on lights in laying houses. To be effective lights must be turned on regularly, and with this clock the time can be advanced a few minutes each day. Each, \$8.00. F. O. B. Great Falls. Shipping weight, 10 lbs. Add postage.



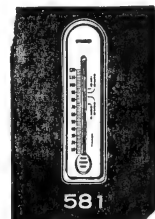
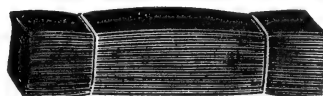
### ADJUSTABLE ROOF SADDLE

Made of galvanized steel and adjustable to any required angle from a flat roof to 30 pitch. Makes a thoroughly waterproof joint with any style of roof or roofing. No tools required and easy to install.

No.	Size	Wt.	Price Gt. Falls
RS5	5 in.	5 lbs.	\$1.55

### BROODER THERMOMETERS

No. 581. A very satisfactory instrument priced low. Has brooding guide on the nicely finished back. Easily read. Each, postpaid, 55c.



### LAMP WICKS

	Width	For Burner	Each
No. 1—Cotton .....	5/8	1	\$ .03
No. 2—Felt .....	7/8	2	.05
No. 3—Cotton .....	1 1/2	3	.06

### TO DISINFECT BROODER HOUSES

Dr. Salsbury liquid fumigant will be found the most effective way to disinfect brooder houses after they have been scrubbed with hot water and lye. This fumigant kills all of the germs common to baby chicks which is an impossibility when using any other method. Liquid Fumigant is placed in a pan on top of the brooder stove and the house tightly closed for 12 to 24 hours. Use 1/2-oz. for each hundred cubic feet. 8-oz. bottle, 85c; 16-oz., \$1.45. Add postage.

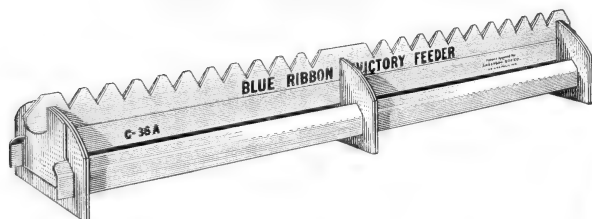
### DR. SALISBURY PAR-O-SAN

It has been a common impression that the stronger the odor the better the germ killing power of the disinfectant. This is not true of Par-O-San as it has a pleasant odor and will kill a greater variety of germs and virus than any other satisfactory brooder house disinfectant. Use as a litter spray; as a disinfectant for washing brooder equipment and in first scrubbing and cleaning the brooder house. Par-O-San is economical. Dilution for most purposes is one part to one hundred. Hundreds of other uses around the farm and home.

Per 1/2-pint, 60c; quart, \$2.00; gallon, \$6.50. Add postage.

## POULTRY RAISING NECESSITIES

### HEAVY DUTY FEEDERS Made of Fiberboard



This substitute for steel feeders has many advantages. Its low price will eliminate any excuse for not supplying sufficient feeders for every flock of baby chicks. Too many chicks do not receive ample quantity of feed because people would not supply enough of the higher priced metal feeders. The low cost of Fiberboard feeders will make it possible to discard them at the end of the season thus improving sanitation. Special feed saving lip prevents chicks from wasting feed. Saw-tooth rail will keep chicks from roosting on feeder. Easy to fill. Chicks feed from both sides. Shipped flat but easily and quickly assembled.

No. C24A. 24-in. long. Each, 18c. Postage on first feeder, 10c; for each additional feeder add 3c extra.

No. C36A. 36-in. long. Each, 25c. Postage on first feeder, 12c; for each additional feeder add 4c extra.



### POULTRY PUNCHES

The only safe way to mark baby chicks is by use of the toe punch. No. 38, postpaid, each 17c.

### LANSDOWNE AUTOMATIC TESTICLE REMOVER



An ideal remover for the beginner and is recommended by the poultry expert for this state. Will absolutely overcome the large percentage of "slips" which the beginner usually experiences. Each, \$1.60, postpaid.

### CAPONIZING SET

No. 410—The Dr. Salisbury Caponizing Set, a practical and complete set of instruments for caponizing fowl. Consists of: **Cord** and **Hook** attachments to hold the bird securely, **Knife** for making incision, **Spreader** to hold the incision open, **Sharp Hook** to perforate the thin membrane, **Spoon** for removing the organ. All finely finished and nickel plated. Packed complete with instructions for use. Shipping weight 8 oz. Price per set, \$3.50.

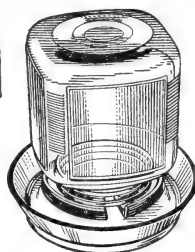
### Floor & Drop Board Scraper

These scrapers are real tools for cleaning dropping boards, floors, and



for removing snow and ice. The blade is of high quality carbon steel, slightly curved. Sturdily constructed to stand hard usage. The socket into which the 4½ foot ash handle fits is riveted to the blade. 15 inches wide; weight, 3 lbs. Each \$1.25 F. O. B. Great Falls.

### SANITARY CRYSTAL GLASS CHICK FOUNTS



Crystal clear all glass construction saves critical war materials and at the same time makes an attractive practical fount, sanitary and very easy to clean. Safe for all medicines. Will not corrode or rust. Water supply visible at all times. Bubbling action attracts chicks and they drink more water.

No. 569. Base to be used with one or two gallon Mason jar, each 15c; 7 for \$1.00. Shipping weight ½-lb. each. Add postage.

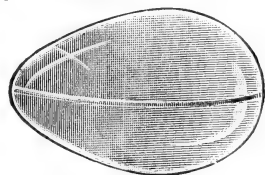
No. 1541. A complete one-gallon wide-mouth jar and 9-in. base which gives ample water supply for 50 chicks. Will not tip over. Complete, \$1.00 each; 6 for \$5.50. Shipping weight, 6 lbs. each.

### SPECIAL NOTE

We can not be responsible for breakage that might occur in transit. If shipped freight or express, claims should be filed against carrier. If sent parcel post include 5c for insurance. It will enable you to recover your cost.

### CHINA NEST EGGS

Smooth and of good quality. Each 5c; per doz., 35c. Shipping weight, 1½ lbs. per doz.



### TURKEY AND POULTRY KILLING KNIFE

The most popular pattern. Correctly built. Used by all large produce houses. Overall length, 7½ inches. Blade 3 inches. Each, 50c.



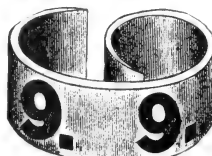
### PINNING KNIFE

A great aid in dressing poultry and turkeys. Hardwood handle. Well riveted. Length 5⅞ inches. Blade 2½ inches. Each, 35c.

### Diamond G Colored Leg Bands

Furnished in cerise, red, blue, yellow and green. State for what breed.

Price postpaid to your station:  
50 bands .....\$ .30  
100 bands .....\$ .55



### BANDETTES

A large numbered band that is easy to put on and stays securely. Leghorn size, 3c each; heavy breeds, 3¼c each; turkey hens, 5c each.

# POULTRY SUPPLIES



"Gold Leaf" Tobacco Powder is especially manufactured for controlling round worms. Simply mix 2 pounds of powder with 100 pounds of dry mash. We guarantee that "Gold Leaf" will retain its nicotine strength when stored in a dry place. Ordinary Tobacco Dust always loses its strength with age. 2 lbs., 39c; 10 lbs. pkg., \$1.35; 100 lbs., \$6.50. Add postage.



Long lasting, easy to apply, very effective. Simply paint on the roost and the entire flock is easily deloused at one time. New "Cap-Brush" method cuts cost as it will now go much farther.

## B. K. POWDER

This chlorine powder is one of the best known germ killers for farm, household, and creamery use. 9 1/4 oz. size makes one gallon of liquid which can then be diluted and used for cleaning and disinfecting poultry equipment, milk cans and other dairy equipment. Leaves no odor or stain.

Glasses rinsed in B. K. solution will dry crystal clear without further attention. Recommended for use in taverns, restaurants, and beer parlors. B. K. may be used in the powder form for dusting chicks or adult hens to check colds and bronchitis.

9 1/4 oz. makes one gallon liquid. Shipping weight, 2 lbs., 75c; 1 1/4 lb., makes 3 gallons liquid. Shipping weight, 3 lbs., \$1.50. Add postage.

## TOXITE DISEASE CONTROL SPRAY

Every farmer and breeder of poultry, livestock, rabbits, foxes, dogs and other animals will find Toxite invaluable for the control and prevention of diseases and parasites.

This powerful germicide kills all disease germs, including coccidiosis and round and tapeworm eggs. Toxite is equally effective and economical for killing lice, red mites, flies, ticks, bedbugs, ants, roaches and other pests. Easy to use. Safe. Inexpensive.

Size	Ship. Wt.	Price
Quart	3 lbs.	\$0.60
Gallon	9 lbs.	1.50
5 Gallons	43 lbs.	6.75

Add postage

## WHY LOSE BIRDS

### From Picking and Cannibalism

Helmets offer the only satisfactory means of controlling this costly vice. We have found this the best of all anti-pick devices. Easy to put on. May be used over and over for years. Each, 3c; 100, \$2.50; 500, \$12.00. Wt., 3 lbs. per 100.



## DON'T CONFUSE

VITAPANE with any other glass substitutes. Vitapane is transparent, flexible, and has a glassy finish. (no gum, wax, or paraffin.) Odorless, greaseless, can be easily cleaned with a damp cloth.



Vitapane, per running foot, 19c; postage, per first 10 feet or fraction, 10c; each additional foot, 1c.

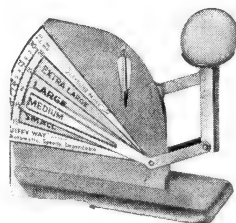
## GLASS CLOTH

Thick paraffin coating on both sides, making it double weather proof. Transmits all the effective ultra-violet rays.

Amount	Width	Wt.	Price
1 run ft.	36 in.	6 oz.	\$ .09
30 run ft.	36 in.	8 lbs.	2.49
45 run ft.	37 in.	12 lbs.	3.50

## "JIFFY" EGG GRADING SCALE

A very practical scale that is easy to read. Approved by the State Egg Inspectors. Colored zone dial instantly records weight and shows grade such as "Extra Large," "Large," "Medium" or "Small." No. 306. Weight 1 1/2 lbs., \$1.50 each. Add postage.

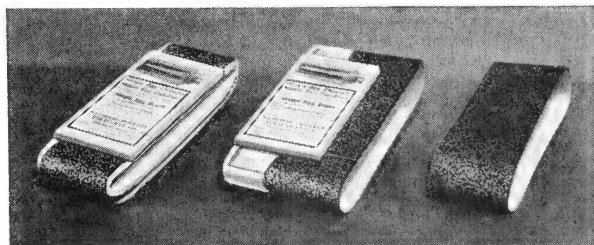


## EGG CARTONS

Moulded, cushioned cartons for one dozen eggs. Stack flat, easy to handle for both the producer and the consumer. Attractive printed top. Put your eggs in cartons and receive higher market prices.

50 cartons	\$1.00; \$1.10 postpaid
100 cartons	1.50; 1.65 postpaid
250 cartons	3.60; 3.85 postpaid

## CLEAN EGGS MEAN BETTER PRICES



Magic Egg Brushes provide a quick, easy way of cleaning eggs without removing natural shell bloom. Will not injure the hands. Each, 35c; postpaid, 38c. Extra Bands for Magic Egg Brushes. Easily applied. Four, 25c postpaid.

# FOR YOUR POULTRY FLOCK WE RECOMMEND THESE PROVEN BURRELL-DUGGER REMEDIES

YOUR MONEY BACK IF YOU ARE NOT THOROUGHLY SATISFIED WITH THE RESULTS

## **DON SUNG** TONIC AND CONDITIONER FOR LAYING HENS

Don Sung is easily and economically given in the mash feed of laying hens. It does not force or hurt the hen in any way. It has been successfully used and recommended for years by large and small poultry raisers from coast to coast. Complete directions for proper feeding and housing to promote better egg production are enclosed with every package. Get the trial size of Don Sung and see what it will do for your flock—you'll be more than pleased with results.

Every poultry raiser is invited to try Don Sung—at our risk. Separate 15 hens and give them Don Sung for one month. The 50c trial size handles this test. If Don Sung pays you, keep on with it. If you don't think it has paid you, tell us, and back comes your money. No argument to it. You are the sole judge. Try Don Sung at our risk.

It pays to use Don Sung the year 'round.

TABLET FORM	POWDERED FORM
50c Size (This is the Trial Guaranteed Size)	3 lbs. .... \$ 5.00
\$1.00 Size (3 times 50c size)	10 lbs. .... 10.00
\$5.00 Size (6 times \$1 size)	25 lbs. .... 20.00
	50 lbs. .... 35.00

## **TALCIMIZED SODIUM FLUORIDE**

(Called "T. S. F.")

**KILLS ALL CHICKEN LICE**



**"I Need T. S. F."**

both adults and young, including the young which emerge from the eggs present at the time of treatment."

This sodium fluoride method is also now being endorsed by the leading agricultural colleges of the country. It's wonderful. One application enough!

After you have had an opportunity to see how T. S. F. will kill all poultry lice—you will use nothing else. Give it a trial this season—if you are not completely satisfied, we will promptly refund your money. Made in three sizes:

35c size (treats 50 fowls); 60c size (twice 35c size); special size, \$2.50 (five times 60c size).

Authorities Recommend T. S. F.

Poultry raisers need guess no longer as to the best method of getting rid of poultry lice. The U. S. government gives the answer in Farmers' Bulletin No. 801, as follows:

"In this series of tests, nothing else was found to be as satisfactory as sodium fluoride. This chemical is exceedingly poisonous to all species of chicken lice. It kills

## **Group-Over**

### **A Soothing Antiseptic**



### **APPLICATION FOR THE MUCOUS MEMBRANES OF THE MOUTH AND NOSTRILS OF POULTRY**

Nasal and throat infections often attack poultry with costly results. The symptoms are running nose, wheezing, rattling and choking. Whenever any trace of this trouble develops in your flock, act immediately or you may be too late.

Nasal or throat infections, whatever their origin—so-called "colds" or other purulent catarrhal conditions—tend to clog the air passages with excessive stringy mucous secretions which may cause death in a short time; the air passages must be freed of this suffocating mucous if the bird is to survive.

Group-Over as an individual treatment and as a vapor will be found a valuable aid in expelling the accumulations of such mucous in the upper nasal passages. Poultry raisers everywhere say they never saw anything like Group-Over for quick results. Group-Over is guaranteed to give complete, prompt and positive results or your money will be refunded.

Regular size bottle (trial guaranteed size).....	\$0.50
Large size bottle (2½ times 50c size) .....	1.00
Quart size (contains more than 4 times the \$1 size).....	3.00

Any size shipped promptly. All charges prepaid.



## **For Chick DIARRHEA**

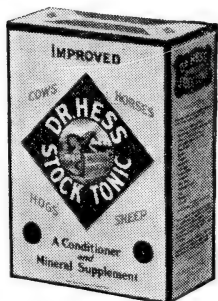
Avicol is a mild astringent that exerts action on the chick's intestinal tract. Avicol has been used with success for more than 25 years and is highly endorsed by poultrymen from coast to coast. Try Avicol with your next hatch and note results.

Avicol should be in the very first water the chicks drink. And it costs so little that it will pay you to keep it in the drinking water all the time for all the flock, old and young.

PRICES: Small guaranteed size, 50c; large size (3 times 50c size), \$1.00; special size (6 times \$1.00 size) \$5, prepaid.

# THE DR. HESS PRODUCTS

For more than 50 years, the products of Dr. Hess & Clark have been used with success by American farmers. These products are and always have been made with one high purpose in mind—to help produce better livestock and poultry, better beef, pork, milk and eggs. Year after year the Research Farm of Dr. Hess & Clark at Ashland, Ohio, tests and retests them in developing better methods to make market weight animals in fewer days, and to control parasites and diseases. That is why we recommend them to every stockman and poultry raiser.



## DR. HESS STOCK TONIC

A conditioner and mineral supplement for horses, cows, steers, sheep and hogs. Aids digestion, promotes elimination. Cows receiving Tonic give 18% to 20% more milk. Feeder cattle that get it show daily gains of 1/2 pound more per head. Valuable at calving. Conditions horses for spring work.

100-lb. drum, \$11.50; 25-lb. pkg., \$3.50; 15-lb. pkg., \$2.40; 7-lb. pkg., \$1.25; 3-lb. pkg., 60c; 1 1/2-lb. pkg., 35c. Add postage.

## DR. HESS HOG SPECIAL

Mineral supplement and conditioner; boosts hog profits by saving feed and time. Tests extending over many years show that hogs fed Hog Special reach market weight in 15% less time and on 25% less feed. Runty, unthrifty pigs especially need it.

100-lb. drum, \$11.50; 25-lb. pkg., \$3.50; 15-lb. pkg., \$2.40; 7-lb. pkg., \$1.25; 3-lb. pkg., 60c; 1 1/2-lb. pkg., 35c. Add postage.

## DR. HESS POULTRY PAN-A-MIN

Birds fed Pan-a-min regularly laid 19 more eggs per year. Baby chicks fed Pan-a-min grew faster, feathered, matured, and came into laying earlier. Helps shorten moulting period. Costs only 10c per hen per year.

100-lb. drum, \$11.50; 25-lb. pkg., \$3.50; 15-lb. pkg., \$2.40; 7-lb. pkg., \$1.25; 3-lb. pkg., 60c; 1 1/2-lb. pkg., 35c. Add postage.



## DR. HESS DIP AND DISINFECTANT

For all stock dipping—for disinfecting stables, barns, hog pens, poultry houses, and to kill ticks, lice, mites, and other parasites. Standardized—is five times as strong as carbolic acid. Makes milk white emulsion, without streaks, settlings or patches of stain on top. Costs less than cheap inferior products.

50-gallon steel drum, \$50.00; 30-gallon steel drum, \$31.50; 5-gallon

pail, \$7.50; 1-gallon, \$1.75; Quart, 65c. F. O. B. Great Falls.

## DR. HESS FLY SPRAY

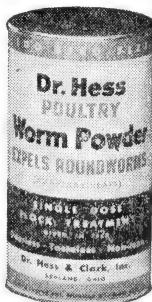
The long lasting fly repellant. Protects horses in harness or saddle, and cows in pasture from fly torment. Kills flies in stables. Has pleasant odor. Will not taint milk nor gum the hair.

5-gallon pail, \$7.00; 1-gallon, \$1.90. F. O. B. Great Falls.

## DR. HESS POULTRY WORM POWDER

A single-dose flock treatment to give in feed. Active principle, nicotine combined with other materials to make it insoluble until it reaches intestines, where its full strength is released. Odorless, tasteless, non-toxic. Does not interfere with egg production or feed consumption.

2 1/2-lb. pkg., \$5.40; 1 1/4-lb. pkg., \$3.00; 10-oz. pkg., \$1.90; 4-oz. pkg., 90c; 2-oz. pkg., 50c. Add postage.



## DR. HESS POULTRY WORM TABLETS

Same material as Powder except compressed into Tablets for individual treatments.

1000-tablet pkg., \$6.50; 500-tablet pkg., \$3.50; 250-tablet pkg., \$2.00; 100-tablet pkg., \$1.00; 40-tablet pkg., 50c. Add postage.

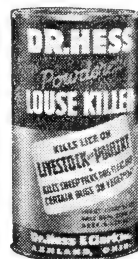
## DR. HESS MEDICATED POWDER

A soothing white powder for cuts, scratches, galls and surface wounds. Forms protective coating and wound heals. Used in the home for scalds, burns, galls and chapped skin. 4-oz. can, 25c. Add postage.

## DR. HESS POWDERED LOUSE KILLER

Kills lice on stock and poultry—bugs on cucumber, squash and melon vines, slugs on rose bushes. Kills winter ticks on sheep. When used in the dust bath, poultry will delouse themselves. Convenient—economical. In handy sifter top cans.

6-lb. pkg., \$1.25; 2 1/2-lb. pkg., 65c; 1-lb. pkg., 30c. Add postage.



## DR. HESS LIQUID LOUSE KILLER

(Roost Paint)

To put on perches. Fumes kill lice while birds roost. Economical. Bottles have special spreader to apply just the right amount.

16 oz., \$2.25; 10 oz., \$2.00; 5 oz., \$1.10; 1 oz., 35c. Add postage.

## DR. HESS POULTRY TABLETS

Valuable treatment for roup. Soothing, healing and slightly astringent. Use as a local antiseptic, and to medicate drinking water. Helps prevent spread of disease. When once dissolved, solution needs no stirring.

225-tablet pkg., \$1.00; 100-tablet pkg., 50c; 45-tablet pkg., 25c. Add postage.

## DR. HESS CHICK TABLETS

Effective to check diarrheal discharges of both baby chicks and grown birds. A bowel antiseptic to give in drinking water. Solution remains thoroughly medicated until used.

225-tablet pkg., \$1.00; 100-tablet pkg., 50c; 45-tablet pkg., 25c. Add postage.

## DR. HESS UDDER OINTMENT

A soothing, penetrating emollient for injured, caked

or swollen udders, cracked or chapped teats. Valuable in the household.

8 oz. can, 55c. Add postage.



## DR. HESS POULTRY INHALANT

An aid in expelling mucous from the upper respiratory tract and treating minor bronchial irritations in both poultry and swine.

Its soothing oils are saponified so that when added to water they make a fine milky white emulsion.

4 oz. makes 1/2 gallon spray, enough to treat 100 birds 32 times. Pt. bottle, \$1.85; 8 oz. bottle, \$1.10; 4 oz. bottle, 65c.

## PTZ

The new worm treatment for sheep, goats and other farm animals. Made with Phenothiazine. Has unusual power in expelling many different kinds of worms.

In three forms—powder, pellets and drench. PTZ POWDER—10-lb. pkg., \$14.00; 5-lb., \$7.30; 1-lb., \$1.60; 4-oz., 75c. F. O. B. Great Falls.

1 pound treats 18 sheep or goats, 30 lambs or kids, 9 horses, 45—50-lb. pigs, 9—200-lb. calves.

PTZ PELLETS—Box (100) sheep \$7.00; Box (50) sheep, \$3.50; Box (100) lambs, \$4.50; Box (50) lambs, \$2.25; Special Forceps, 60c.



## DR. SALSBUARY'S POULTRY MEDICINES

Dr. Salsbury's poultry medicines and biologics are nationally known and are manufactured in one of the most modern laboratories serving the poultry industry. These products are made under the supervision of a scientific staff that is second to none in the poultry industry, and each product is produced under strict laboratory controls that compare with those maintained in manufacturing many medicines for humans.

### Dr. Salsbury's PHEN-O-SAL Tablets

For Baby Chicks, Poult, and Adult Birds

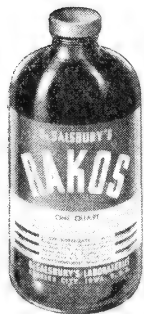


Take steps to help keep your baby chicks and poult healthy by using Dr. Salsbury's Phen-O-Sal tablets to medicate the drinking water right from the start. They check germ growth in the drinking water and medicate the digestive tract. Astringent medicines in Phen-O-Sal are recommended for bowel troubles and diarrhea in fowls of all ages. Also calves and sheep.

50 tablets	.....\$ .55
125 tablets	.....1.15
300 tablets	.....2.30
500 tablets	.....3.45
1000 tablets	.....6.25

### Dr. Salsbury's RAKOS a First Aid Treatment for Coccidiosis

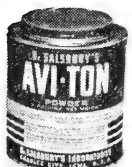
Watch out for coccidiosis. Droopy wings, huddling and shivering, loss of appetite, bloody or watery droppings—these are the danger signals that call for prompt action. Dr. Salsbury's Rakos helps check inflammation, checks bleeding, tends to increase appetite and promote better digestion. By doing this it helps to bring the birds out of an outbreak more quickly and makes them less apt to become chronic carriers.



1/2 pint for 75 birds	.....\$ .90
1 pint for 150 birds	.....1.45
1 quart for 300 birds	.....2.30
1/2 gallon for 600 birds	.....4.25

### Dr. Salsbury's AVI-TON

The Ideal Flock Roundworm and Cecal Worm Remover Plus



Dr. Salsbury's Avi-Ton comes in powder form to be mixed in the regular mash rations. Give Avi-Ton 5 consecutive days; 6 pounds medicates 100 pounds of mash. Avi-Ton gives plus value because in addition to 3 worm-removing medicines it contains 7 supportive medicines. Because Avi-Ton removes cecal worms it will help turkey raisers control blackhead.

3 lbs., \$1.35; 6 lbs., \$2.30; 15 lbs., \$5.50; 25 lbs., \$8.60. F. O. B. Great Falls.



### Dr. Salsbury's PAR-O-SAN

Keep your brooder house and laying house healthful and sanitary with Dr. Salsbury's Par-O-San, a powerful disinfectant. Kills all common poultry disease germs, coccidia, and worm eggs on contact. Mixes with water, free from smelly "Dip" odors. Doesn't stain walls or clothing. One quart makes 25 gallons disinfectant.

1/2 Pint...	60c	Quart...	\$2.00	Gallon...	\$6.50
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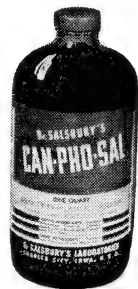
Spray Regularly With

### Dr. Salsbury's CAN-PHO-SAL

For Colds, Pneumonia, Roup, Bronchitis

Take steps to guard against respiratory infections by spraying your chicks and poult regularly with Dr. Salsbury's Can-Pho-Sal. The medicinal vapors are inhaled, with each breath, helping to relieve congestion, clear up inflammation, and aid in keeping the respiratory organs functioning normally. Excellent for roup and colds in fowls of all ages.

250 chick size bottle	.....85c
Full flock size bottle	.....\$2.10
500 chick size bottle	.....\$1.25



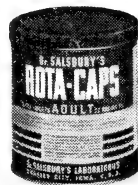
### Dr. Salsbury's ROTA-CAPS

An Individual Worm Treatment Containing "Rotamine"

Get roundworms and tapeworms, heads and all, as listed on the label, without set-back to your flock by worming with Dr.

Salsbury's Rota-Caps. Pullet size for birds up to 16 weeks of age. Adult size for older birds and turkeys. The only worm cap that contains ROTAMINE—

the new drug compound that gets the worms without loss in egg production or set-back to growing flocks. Easy to use yourself. Pullet size—50 caps, 50c; 100 caps, 90c; 300 caps, \$2.50. Adult size—100 caps, \$1.35; 200 caps, \$2.50; 500 caps, \$5.00.



### Dr. Salsbury's BACTERINS

Dr. Salsbury's Bacterins are whole culture, always dependable, and can be used

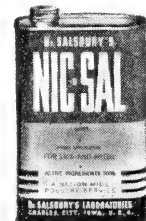
for healthy and ailing chickens and turkeys. Full instructions with each package. Mixed Bacterin (Avian) Chicken Formula for roup and colds and related diseases of chickens and turkeys.

Avisepticus-Gallinarum Bacterin (Cholera Typhoid) for building resistance to both cholera and typhoid in healthy and ailing flocks. Mixed Bacterin (Avian) Turkey Formula, a special bacterin for common bacterial diseases of turkeys, also may be used on healthy and ailing flocks. 60 c.c., \$1.00; 250 c.c., \$3.50; 500 c.c., \$6.50; 1,000 c.c., \$11.00.



### Dr. Salsbury's NIC-SAL

Paint your roosts with Nic-Sal, the new, easy way to kill lice. Easy to apply, effective, economical, 1/2 pint, 90c; pint, \$1.45; quart, \$2.30.



### Dr. Salsbury's STOP-PICK

A preparation that stops toe, vent, and tail picking, also other forms of cannibalism in poultry. 6 oz. jar, 60c.

# PETS AND SUPPLIES

**METHOD OF SHIPPING:** All birds, goldfish and livestock should be shipped by Express. Bowls and bird cages may be sent by Parcel Post but we recommend Express shipments for these articles. Be sure and give both your Post Office and Express Station, if different.

## SINGING CANARIES (Males)

### LEGAL GUARANTEE

With each bird sold we furnish a legal guarantee which enables the purchaser, if not satisfied with the song of the bird purchased, to exchange it for another.

## SPECIAL NOTE

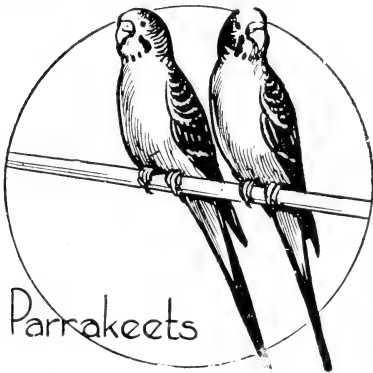
Season for singers is usually from September to June. Birds are generally sold out during the summer months.

## X-L GOLDEN VOICED SONGSTERS

Despite the difficulty that has been caused in securing good singers due to the fact that importations from abroad have been cut off, we are still able to furnish our customers with our select X-L Golden Voiced Songsters. These birds are checked by us before being purchased and their song must be satisfactory. Each bird will carry a song without breaking or chirping. Usually they roll and sing notes so that a nice variety can be had. Please write for current prices.

## SHELL PARRAKEETS

Or as they are sometimes called, lovebirds, are the most beautiful of all cage birds and make adorable pets. Birds may be kept in pairs or singly. Are easily mated and may be taught to talk, whistle, and sing. They are harder than canaries and require very little attention other than daily feeding.



Green — per pair, \$7.00. Blue and yellow — per pair, \$8.00.

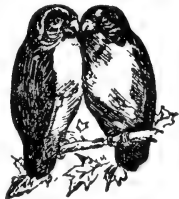
Single males — green, \$3.75. Blue or yellow, \$4.25.

Single females — green, \$4.50. Blue or yellow, \$5.00. F. O. B. Great Falls.

## AFRICAN LOVE BIRDS

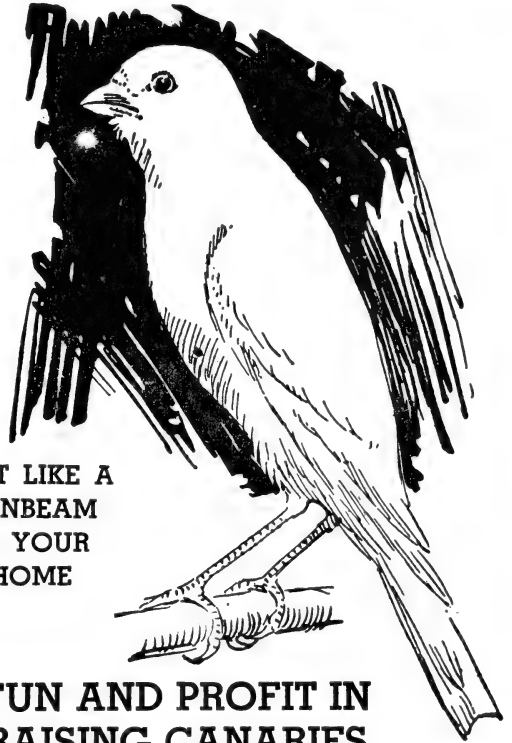
### TRUE LOVE BIRDS

These birds resemble miniature parrots—are about 5 inches long, dark green with peach or soft pink heads, blue on shoulders and violet colored under rump. Easily tamed and clever pets. Often taught to mimic. Per Pair, \$10.00.



## FINCHES AND OTHER BIRDS

Our connection with the importers make it possible to furnish Goldfinches, Nightingales and all other suitable cage birds.



JUST LIKE A  
SUNBEAM  
IN YOUR  
HOME

## FUN AND PROFIT IN RAISING CANARIES

Raising birds is a very interesting hobby and can be made a profitable one. Good singers are always in demand and now are commanding much higher prices than in the past. Write for free book telling how to raise canaries.

## FEMALE CANARIES

All our females are young birds from 8 to 11 months old. Strong, healthy and sired by males that are excellent singers. The ability to sing will be inherited by your young birds. Females are from warbler and chopper type only. All are guaranteed to mate with your bird or they may be exchanged if returned in good health between the 10th and 15th day. Positively no exchange after 15th day.

Because of the wide variance in males it is obviously impossible to guarantee fertility of eggs. Colors pure yellow, mottled or all dark.

Female Birds. Each \$3.00. F. O. B. Great Falls.

## LIMITATIONS NOTICE

Because of conditions it is absolutely impossible to guarantee price or our ability to maintain complete stocks of merchandise shown. We will do our best and will make every effort to serve you economically and promptly.

# BIRD FOODS AND SUPPLIES

Weight Given is Shipping Weight, Not the Quantity Contained



**1. SEED & WATER CUPS**—Porcelain. Give correct size. Each, 18c; postpaid, 20c.

**2. DALITE BIRD BATH**—The new modern washable bird bath which hangs on the outside of the door. Birds enjoy bathing in them. Unnecessary to take cage apart. May be left on cage during the entire day if desired. Keeps birds from splashing on furniture. Style "D" Bird Bath in Duco finish, 35c each; postpaid, 42c. Can be furnished in Green, Red and Ivory colors.

**3. ROUND CEDAR SWINGS**—Full Circle, 15c; postpaid, 17c.

**4. OPAL BIRD BATH**—large size, 17c postpaid, 20c.

**5. SEED AND WATER CUP**—Green, Red, Black, Ivory, and White. Each, 15c; postpaid, 17c.

**6. TREAT CUPS**—For feeding song food, egg biscuit, etc. White or colored, 7c each; 8c postpaid.

**7. CAGE SWING**—15c; postpaid, 17c.

**8. CUP BRUSH**—A sanitary necessity, each, 15c; postpaid, 18c.

**9. CEDAR PERCHES**—Shaped to fit birds feet. 7½"; 9"; 11"; 12". State length, each, 10c; postpaid, 12c.

**10. SPRING PERCH**—Spiral fastener. Each, 15c; postpaid, 17c.

**11. SPRING PERCH**—Clip fastener, flat cedar perch, each, 15c.; postpaid, 17c.

**12. ROUND PERCHES**—White Birch. State length, each, 10c; postpaid, 12c.

**13. BIRD NESTS**—Sanitary, each, 18c; postpaid, 20c.

**14. PERCH AND DRAWER CLEANER**—Keeps perches roughened to ease birds feet and prevent foot trouble—decidedly useful and almost a necessity. Each, 39c; postpaid, 42c.

**15. CAGE HOOKS**—For bird cages, flower pots, etc. Each 18c; postpaid, 20c.

**16. CAGE SPRINGS**—Each, 15c; postpaid, 17c.

**NESTING MATERIAL**—Sterilized goats hair—provides ventilation, eliminates many foot defects on young birds. 15c each; postpaid, 18c.

**JUSTRITE PARROT FOOD**—With Polly crackers. 1¼ lb., 25c.

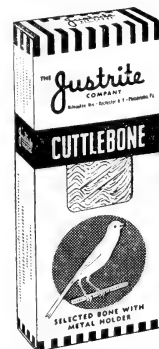
**JUSTRITE BIRD BITTERS**—A stomach tonic and corrective. We have had good success in treating birds with this medicine in our store. 4 oz., 25c.

**JUSTRITE BIRD GRAVEL**—Silver gravel, carefully washed, cleaned and screened to the proper size. Be sure to supply fresh gravel each day. 2 lbs., 10c.

**JUSTRITE GRAVEL PAPER**—Supplies gravel, keeps birds claws trimmed. Use on bottom of cage. Supplied in 11 and 12 inch circles, or 9"x15" for oblong cages. 9 sheets in pkg., each, 10c. Shipping Wt. 1 lb.

**JUSTRITE BIRD JELLY**—Gives instant relief to birds suffering from asthma, colds, or having difficulty in breathing. 2 oz., 25c.

**TASTY ROLL WITH BELL**—A food and treat for canaries. Amuses, trims beak and nourishes. 2 oz., 10c.



**JUSTRITE FEATHER PULLING REMEDY**—A valuable aid in stopping parrots and canaries from pulling feathers. 3 oz., 25c.

**JUSTRITE BIRD SALVE**—Gives immediate relief to sore feet, sore legs and scaly legs. 1 oz., 15c.

**JUSTRITE SONG RESTORER**—Will aid canary in regaining lost song due to excessive moulting, colds or hoarseness. 4 oz., 25c; 1½ oz., 10c.

**SUNSHINE FOOD**—Contains all vitamins and a welcome change in diet for all birds. 4 oz., 20c; 1½ oz., 10c.

**JUSTRITE CUTLEBONE**—With holder for fastening to cage. Be sure your bird has fresh cuttlebone regularly. 2 oz., 10c.

**MOULTING FOOD**—Guaranteed to aid birds in getting over moult, either in or out of season. 4 oz., 25c; 1½ oz., 10c.

**EGG AND NESTING FOOD**—A very wholesome and highly nourishing food that will help keep birds in perfect health, plumage and song. Necessary for the mother and young birds. Feed either plain or mixed with hard boiled egg. 4 oz., 15c.

**COLOR AND PEPPER FOOD**—Feed with moulting food to bring out the deep yellow color so much desired by bird fanciers. 4 oz., 25c; 1½ oz., 10c.

**JUSTRITE FLAKED BIRD CHARCOAL**—Aids birds' digestion. Use three times a week. 2 oz., 10c.

**JUSTRITE CRUSHED OYSTER SHELL**—An absolute necessity for females during the mating season. 2 oz., 10c.

**JUSTRITE BIRD WASH**—To be added to bath water. Cleanses skin and feathers. Healing and soothing qualities for sores and lice bites. 4 oz., 15c.

**JUSTRITE LICE POWDER**—Metal shaker top can, full strength but harmless to birds. 2 oz., 10c.

## JUSTRITE PRODUCTS

Add Postage to All Following Prices. Weight Following Each Item Is Shipping Weight and Not the Quantity Contained.

We have sold Justrite bird and pet foods and remedies for many years and have found them to be correct in every detail. FREE WITH YOUR ORDER, Justrite 62-page Bird and Pet Book, covering feeding, diseases, breeding, etc. Ask for it.

**JUSTRITE MEL-O-DEE BIRD SEED**—This scientific blend contains a special mixture of triple air-washed rare seed including the following: Canary, Sweet Rape, Niger, Gold of Pleasure Seed, Flax, Maw, Teasle, Psyllium, Egg Flakes, Lettuce and Sesame. No waste in feeding. 2 lbs., 25c.

**JUSTRITE IMPORTED BIRD SEED**—Fresh triple air washed imported canary and rape seed. 1 lb., 25c.

**JUSTRITE IMPORTED BIRD SEED**—½ lb., 10c.

**JUSTRITE LOVE BIRD SEED**—The correct mixture for all Parakeets, Finches and similar cage birds. 1 lb., 15c.

## MAX GEISLER'S FOODS

Add Postage to All Following Prices. Weight Following Each Item Is Shipping Weight and Not the Quantity Contained.

**GEISLER'S GENUINE "ROLLER SEED"**—A scientific mixture of seeds so proportioned as to make a perfectly balanced seed ration. For all kinds of canaries. 16 oz., per carton, 25c.

**GEISLER'S "LOVE BIRD SEED"**—A correctly mixed seed for all small parakeets. 16 oz., per carton, 25c.

**GEISLER'S SONG AND HEALTH FOOD**—A food and treat. 6 oz., 25c.

**GEISLER'S PURE EGG BISCUIT**—Contains 80 per cent light baked eggs. Supplies minerals and vitamins. 3 oz., 25c.

**GEISLER'S MOULT AND COLOR FOOD**—For birds shedding feathers in or out of season. 4 oz., 15c.

**GEISLER'S GRAVEL**—A health grit that aids digestion and keeps down vermin, 20c. Shipping weight, 3 lbs. Add postage.

### BIRD FOODS (CONTINUED)

(Weight shown is shipping weight, not weight of contents)

**GEISLER'S PARROT BISCUIT**—To keep young and old parrots in good health and plumage. 1 lb., 25c.

**GEISLER'S CAGE CARPET**—Cedarized. Makes cleaning easy and protects tray; 20 sheets per package; 11 inches round; 9x12 oblong, 9x15 oblong. 4 oz., 10c.

**GEISLER'S VITAMIN FOOD WITH COD LIVER OIL**—A conditioning and strengthening food. 5 oz., 25c.

**GEISLER'S NESTLING FOOD**—With cod liver oil. 5 oz., 25c.

**GEISLER'S DIARRHEA FOOD**—Tightens birds' droppings. 2 oz., 25c.

**GEISLER'S FIRST AID**—To be used at first sign of sickness. Prevents disease spreading. 6 oz., 30c.

**GEISLER'S SONG AID**—Song restorer and stimulator. Also relieves asthma. 6 oz., 30c.

**GEISLER'S DIGESTIVE AID**—For all bowel ailments. oz., 30c.

**GEISLER'S COLD AID**—Gives quick relief. 6 oz., 30c.

**GEISLER'S INHALANT**—A new method for relieving asthma and colds. 3 oz., 30c.

**GEISLER'S BARE SPOT OINTMENT**—For bald heads and bare spots. 2 oz., 15c.

**GEISLER'S BLOOD AID**—Should be used in drinking water to overcome moulting out of season, pulling feathers and baldness. 5 oz., 30c.

**GEISLER'S ATOMIZER**—For birds that won't bathe. Fits "Bird Wash" bottle. Makes spraying bird easy. 2 oz., 15c.

**GEISLER'S BIRD WASH**—Brightens plumage and prevents vermin and feather chewing. 4 oz., 25c.

### BULK LOVE BIRD SEED

Specialy formulated for parakeets and finches. This seed can be economically purchased in bulk at 20c lb.; 2 lbs., 35c; 6 lbs., \$1.00. Add postage.

### X-L SPECIAL SUNFLOWER SEED FOR PARROTS

Extra large seeds carefully cleaned and selected for the plump meats. We guarantee that these seeds are not weevil infested or meats damaged by weevil. 15c per lb., 2 lbs., 25c. Add postage.

### "X-L" SPECIAL FORMULA BIRD SEED

A selected ration of sweet Rape, imported canary, niger, bird lettuce, flax and other seeds relished by the birds and necessary for their good health. We compounded this seed originally for our own golden-voiced songsters and because of the splendid condition that it kept them in, it soon became our fastest selling seed. To save money buy it in bulk in large quantities. If you do not use bulk seed quickly, put it in tightly sealed Mason jar and it will remain fresh for a long period of time. 25c lb.; 4 lbs., 79c; 10 lbs., \$1.80; 25 lbs., \$4.00. Add postage.

**PULVEX BIRD LICE DESTROYER**—In handy dusting bel-  
lows, this powder actually kills mites and lice. 2 oz., 35c.

**SPRATT'S ROLLER CANARY SEED**—  
Pkg., 25c, 1 lb. Add postage.

**SPRATT'S SING-SONG**—A manna food  
to be clipped to the cage. Each 10c, 4 oz.



**SPRATT'S COD LIVER OIL  
NESTING FOOD**—One of the  
most popular foods for this  
purpose. 4 oz. pkg., 15c; 9  
oz. pkg., 30c; 5 lb. bag \$1.65.  
Add postage.

## DOG FOODS AND SUPPLIES

### SPRATT'S QUALITY DOG FOODS

By buying in bulk you are sure of fresh biscuits at the lowest price

**SPRATT'S OVALS**—A small crunchy biscuit for all breeds.

**SPRATT'S FIBO**—A complete food in granulated form.

**SPRATT'S SPIX**—Bone shaped, a complete food.

**SPRATT'S CHARCOAL OVALS**—Cleans the teeth. Aids digestion.

All above listed foods 3 lbs., 55c; 25 lbs., \$3.75. Add postage.

**SPRATT'S PEPSINATED DOG MEAL**—For puppies and adult dogs whose digestive system is too weak to assimilate regular foods. Per can, 60c. Shipping wt., 1 lb. Add postage.

**SPRATT'S PUPPILAC**—A valuable food for puppies when the dam cannot nurse them. 1 lb., 75c. Add postage.

### PURINA DOG FOOD

A concentrated, complete ration. 1 lb. equal to 3 lbs. fresh meat. Either puppy or adult size. 5 lbs., 58c; 25 lbs., \$2.75; 100 lbs., \$9.00, F. O. B. Great Falls.

### ITSY BITSY DOG CANDY

This is a real dog treat and takes the place of candy but does not contain sugar and therefore will not cause any trouble. In addition to being a welcome treat it is composed of ingredients that are rich in vitamins and will supply all that are necessary for dogs.

Trial package, 10c. Postpaid, 14c. Large economy pack-  
age, 25c. Postpaid, 31c.

### GAINES DOG FOODS

Nothing Need Be Added to Gaines Except Water

**GAINES MEAL**—Offers normal dogs the nutritional factors they're known to need—including dehydrated meat meal in ample measure. To feed Gaines, you simply add water—nothing else. That's the way Gaines has been fed by the U. S. Antarctic Expedition, the U. S. Army and hundreds of top-notch breeders. And Gaines not only can keep dogs fed right, but it can conserve human food-stuffs. Every day let your dog enjoy the benefits Gaines offers. See how easy and economical it is to keep him fed right on Gaines. Remember you must be completely satisfied or Gaines will refund the purchase price of the package. 2 lbs., 28c; 5 lbs., 65c; 10 lbs., \$1.20; 25 lbs., \$2.35; 100 lbs., \$9.20. F. O. B. Great Falls. Add postage.

**GAINES KRUNCHON**—This is Gaines Meal in pellet form. Pellets are 1/2-inch in diameter and about 1-inch long. Nothing is lost nor are any of the precious vitamins injured, but it does seem to change the taste of the food. Add no water to Gaines Krunchon. It is to be fed just as it comes from the bag. 2 lbs., 30c; 5 lbs., 70c; 25 lbs., \$2.55; 100 lbs., \$9.75. F. O. B. Great Falls. Add postage.

### RED HEART KIBBLED BISCUIT

An economical food that is a complete ration for dogs of all breeds and all ages. Made with plenty of dehydrated meat, contains complete minerals, and vitamin content is assured. Red Heart Kibbled Biscuit may be fed dry or soaked with hot water. It may also be combined with stewed fruits, stewed vegetables, gravies, broths, etc., to add variation to the taste and to the dog's diet. 2 lbs., 29c; 25 lbs., \$3.25; 100 lbs., \$12.00. F. O. B. Great Falls. Add postage.

## GLOVER'S IMPERIAL DOG MEDICINES

Because of their national reputation for many years among dog owners everywhere, we feature this line of dependable Dog Medicines—Glover's. We recommend them for purity and efficiency—for the dog owner who really cares! Sold on the manufacturer's MONEY-BACK AGREEMENT! Handsome color-picture booklet of dog portraits, Scientific Care of the Dog, FREE on request.

Mange Medicine (Sarcoptic) For Human and Animal use 6 1/2 oz. size .....	69c
3 oz. size .....	40c
Medicated Soap .....	23c
Kennel and Flea Soap .....	21c
Double Action Flea Powder .....	29c
Fever Reducer .....	89c
Vermifuge (Liquid) .....	49c
Tape Worm Capsules .....	49c
Tonic Pills (formerly Condition Pills) .....	49c
Worm Capsules—State whether dog or puppy .....	49c
Laxative Pills .....	49c
Compound Tablets .....	49c
Canker Medicine .....	49c
Nerve Sedative .....	49c
Ointment (For Sarcoptic Mange) .....	49c
Expectorant Mixture .....	49c
Cod Liver Oil Concentrate Tablets .....	49c
Eye Lotion and Powder .....	49c
Liquid Tonic (Formerly Iron Tonic) .....	49c
Intestinal Astringent (For non-infectious Diarrhea) .....	49c



**PULVEX WORM CAPSULES**—The only worm medicine that will remove tape worms, round worms and hook worms with one treatment. Sold on a money back guarantee. State whether for puppy or old dog. 50c, 2 oz.



**PULVEX FLEA POWDER**—The only powder that actually kills the fleas and mites on dogs and cats. May be applied to "one spot" for killing fleas. Can. 50c, 4 oz.

**PULVEX DOG SOAP**—A better grade soap that is guaranteed to kill fleas and lice. Can. 50c, 4 oz.



**JUSTRITE DOG SOAP**—Per Cake, 10c; 3 oz.

**JUSTRITE FLEA POWDER**—20c; 4 oz.; 2 oz., 10c.

### REX HUNTER'S DOG OINTMENT

Rex Hunter's Dog Ointment is especially good for wounds and for eruptions caused by skin diseases. Also very important for hunting dogs to be used between the pads of the feet. Thorns, glass, ice, and snow get between the pads, causing bruises and cuts. Neglect may bring lameness and infection. Hunter's Ointment brings quick relief. Jar, 50c. Postpaid, 55c.

### Do You Own a "Scratching" Dog

If you own and are fond of a dog that is continually scratching, digging, rubbing and biting himself until his skin is raw and sore, don't just feel sorry for him. The dog can't help himself. But you may. He may be clean and flea free and just suffering from an intense itching irritation that has centered in the nerve endings of his skin. Do as thousands of pleased dog owners are doing. Use Rex Hunter's Dog Powders regularly once a week. Hunter's tablets are based on a prescription of a famous English veterinarian. 8 powders, 25c. Postpaid, 29c. Economy size box, 40 powders, \$1.00. Postpaid, \$1.05.

### REX WHEAT GERM OIL

Wheat germ oil is valuable for dogs for two reasons: First, for breeding purposes. It will help shy breeders settle and will increase size and health of litters. Should be fed to both males and females; 6 or 8 drops daily two weeks previous to mating. Second, Rex Hunter's germ oil has also proved valuable for checking some forms of eczema and other skin diseases. A half teaspoon added regularly to food of infected dog will generally check any trouble and will put the coat in a glossy condition. 4-oz. bottle, \$1.00. Postpaid, \$1.10. Pint bottle, \$3.50. Postpaid, \$3.60.

### CEDAR SHAVINGS

For use in filling mattress for dog's bed. Red cedar has long been known for its effectiveness in keeping down lice and other vermin. 5-lb. bag, 59c. F. O. B. Great Falls.



**STOPS MALE DOG ANNOYANCE**—Keeps male dogs away when females are in season. Per bottle, 55c. Many of our customers have used Trix for several seasons and indorse it very highly.

### DOG BOOKS

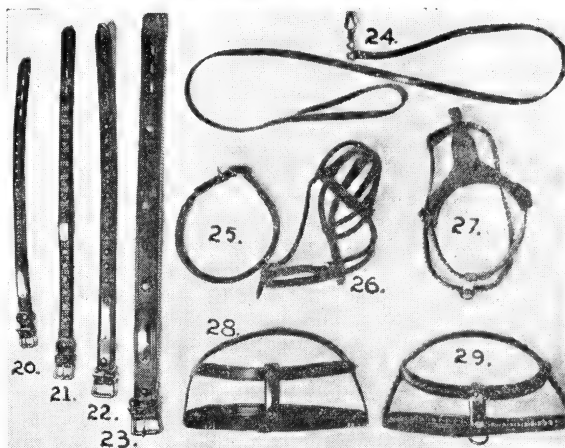
**SPRATT'S HINTS ON RAISING DOGS**—A 48-page book devoted to feeding, training and health of dogs, very well written. Included free with your order at your request.

**GLOVER'S DOG BOOK**—A book devoted to the welfare and health of your dog. Included free with your order at your request.

**HANDLING YOUR HUNTING DOG**—Complete information on training and development of dogs for hunting. Authoritatively written by one of the best known trainers in the United States. Each, 10c, if included with order, or 15c postpaid.

**ETIQUETTE**—A new book edited by the Purina dog department. This book covers selections of breeds, house-breaking, training, feeding, and all other problems of puppies, sickness and disease and has an interesting chapter devoted to teaching tricks. 10c each if included with order. Otherwise 15c each, postpaid.





Items pictured but not listed below are not available at the present time.

**1. DOG BLANKETS**—Wool and Rayon mixed. Protect against wind and cold. Measure length from base of neck to tail. Sizes 10 to 16, \$1.25 each. Sizes 16 to 20, \$1.35. Wt. 1 lb.

**2. LEATHER BONES**—A favorite. 15c; postpaid, 17c.

**5. RAG DOLL**—Cries when tosed. 35c; postpaid, 49c.

**9. SWEATERS**—Measure same as for blankets. Each, \$1.15; postpaid, \$1.25.

**10. CATNIP MICE**—Natural color. 15c; postpaid, 17c.

**11. PET BRUSH**—Wire teeth set in rubber. 35c; postpaid, 39c.

**12. SLICKER BRUSH**—Wonderful for removing dead hair. 95c; postpaid, \$1.00.

**13. STRIPPING COMB**—For wire haired breeds. \$1.00; postpaid, \$1.08.

**13X EXTRA BLADES** for No. 13 Comb, per pkg. of 6—50c.

**14. STAINLESS STEEL COMB**. 60c; postpaid, 63c.

**15. ITSY BITSY**—All dogs relish a sweet treat as a reward for performing tricks or just to keep their spirits up. Itsy Bitsy does not contain sugar but is made of saccharine combined with all the essential vitamins. It is very beneficial as well as being a tasty treat. Pkg., 14c; large package (four times as much) 31c, postpaid.

**16. CATNIP LEAVES**—Freshly dried. Full strength. 15c; postpaid, 18c.

**20. COLLARS**—Double leather, lock tongue trimmed as shown. Russet or black. Sizes 12, -14, 16, 35c each; postpaid, 38c.

**21. LEATHER COLLARS**—Trimmed as shown. Well made. Russet or black. Sizes 16, 17, 18, 19, Each 50c; postpaid, 53c.

**22. LEATHER COLLARS**—Heavy durable. Lock tongue. Russet or black. Sizes 18 to 21, each 85c; postpaid, 90c.

Full line of collars in many styles ranging from 15c to \$2.00.

**23. FELT LINED COLLARS**—Sizes 18, 20, 22. Russet or black. Brass trimmings. 50c each; postpaid, 55c.

**24. LEATHER LEAD**—Good quality, French snap. 3-ft. Black or russet. 60c.

**25. ROUND COLLARS**—For shepherds, chows, etc. Size 19 to 21. Russet or black. \$1.75 each; postpaid, \$1.80.

**26. DOG MUZZLES**—Leather basket muzzles prevent dog from eating and biting. Fit comfortably and permits free breathing. 8 oz., 50c.

Heavy leather muzzles for collies and police dogs. \$1.75. Be sure to give length of dog's nose and size of neck.

**27. MARTINGALE HARNESS**—Adjustable at three different positions. The best looking harness for Boston Bulls, Fox Terriers, etc. Sizes 18, 20, 22, and 24. Measure girth back of front legs. \$1.69 each.

**MARTINGALE HARNESS**—With chrome trimmings. \$1.65; postage 10c extra.

**28. PLAIN LEATHER HARNESS**—Sizes 14, 16, 18. 30c each; postpaid, 33c. Sizes 20, 22, 24—50c each; postpaid, 55c.

**29. HEAVY LEATHER HARNESS**—Russet or tan. Sizes 18, 20, 22, 24—\$1.00 each; postpaid, \$1.10.

### SILENT DOG WHISTLES

These whistles are called silent because they are pitched so high that they are almost inaudible to humans but easily heard over great distances by dogs. Each, 85c.

## PUPPIES

We can generally supply puppies at about the following prices:

Shepherds, Shepherd and Collie mixed, natural heeling cattle, dogs male puppies, \$5.00.

Medium Size Toy Fox Terrier Puppy, male, \$6.00; female, \$4.00.

Extra Small Toy Fox Terriers, males, \$10 to \$12, depending upon size.

Wire Haired Fox Terriers furnished with signed application for registration in the American Kennel Club, \$25.00.

Scotch Terrier puppies eligible for registration, \$25.00.

Red or Black Cocker Spaniels, eligible for registration, \$20.00 to \$25.00, depending upon quality.

Pekingese male puppies, \$25.00.

We have connections with kennels that will enable us to supply almost any kind of a dog that you desire.

### RAISING RABBITS IS A PROFITABLE HOBBY

Rabbits are in demand for meat and are bringing top prices at the present time. In addition the hides may be sold. Improved breeding has resulted in quick developing types that will produce young weighing 3 lbs. or better at eight weeks. We can usually supply Checkered Giants and White Giants. Please write for prices letting us know the age, sex and breed that you are interested in.

### RABBIT FEEDERS

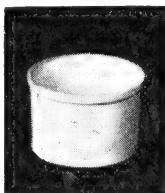
7½-in. in diameter. 2½-in. deep. Holds a little over a pint of ground feed. These feeders are made of crockery with hard finish glaze on both the inside and outside. Lip prevents waste of feed. May be thoroughly disinfected and cleaned. Shipping weight 3 lbs. Each 25c. F. O. B. Great Falls.



### RABBIT WATERERS

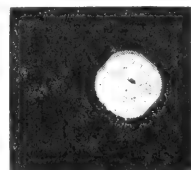
5½-in. diameter. 4-in. deep. These waterers have heavy weighted bases so that they cannot be overturned. Convex bottom prevents bursting if water should freeze in them. Holds one pint liquid. Made of baked clay with hard finish glaze. Shipping weight 4 lbs. Each 25c. F. O. B. Great Falls.

If shipped parcel post we suggest including 5c per shipment insurance.



### RABBIT SALT

Iodized and mineralized spoons with holes in centers. Simply nail through hole to side of hutch and rabbits will lick the salt as they need it. No waste or danger of feeding too much. 10 spoons in carton. 50c. F. O. B. Great Falls. Shipping weight 3 lbs.



# GOLD FISH AND SUPPLIES

We have shipped goldfish safely to all parts of Montana, Idaho and Wyoming. All fish are shipped by express.

Prices on fish are quoted F. O. B. Great Falls.

Before we can ship fish, you must send us by prepaid express a 10-lb. pail with tight fitting cover. If 6 or more fish are wanted send a 50-lb. lard pail. Express charges on these empty pails is 30c regardless of distance. Be sure pails do not leak.

**MEDIUM SIZE GOLDFISH**—From 1½ to 5 inches. 10c each.

**LARGE SIZE FANCY GOLDFISH**—From 3 to 5 inches. Fantails, Calico Fish, etc. 25c each.



**TRAPDOOR SNAILS**—Live trapdoor snails may be shipped separately from fish without including money for shipping can. 25c each. Shipping weight 4 ounces.

## FISH FOODS

**NOTE**—We recommend that fish be allowed a change diet, usually two or more kinds of food.

**WAFFER FOOD**—10c. Weight 4 oz.

**BULK FISH FOOD**—Spratt's aquarium food may be purchased in bulk. Per ¼ lb., 35c. Add postage.

**FUNGUS REMEDY**—Prevents fish dying from fungus 25c, 4 oz. Add postage.

**SPRATT'S AQUARIUM FOOD**—Per tin, 10c. 3 oz.

**JUSTRITE NATURAL FISH FOOD**—10c. 1 oz.

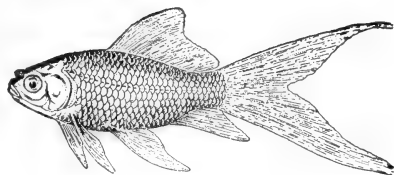
**JUSTRITE TROPICAL FISH FOOD**. Medium or coarse. 15c.

**SILVER TROPICAL FISH FOOD**—Fine or medium. 4 oz. jar, 25c; large size jar, 50c. Shipping weight 8 oz. Add Postage.

**TURTLE FOOD**—Containing ant eggs, 10c per pkg., 2 oz. Add postage.

## WATER PLANTS

Necessary in fish bowls and aquariums to supply oxygen and natural food for fish. Improve the appearance of your bowl. Six plants, 25c, postpaid.



## FISH BOWLS



### SQUAT SHAPED BOWL

**NOTE**—To all prices quoted on fish bowls, add 20c to cover packing charges. We do not guarantee against breakage in shipment and if sent by parcel post advise that you include 5c additional to cover insurance charges.

#### Squat Globe Bowls—(Clear Glass)

Capacity	Shipping Wt.	Price
½ gallon	3 lbs.	\$0.25
1 gallon	4 lbs.	.65
2 gallon	6 lbs.	1.25

#### Drum Shaped Bowls—(Clear Glass)

Capacity	Shipping Wt.	Price
1 gallon	4 lbs.	\$0.65
2 gallon	6 lbs.	1.25

#### Round Bowls:

Capacity	Shipping Wt.	Price
1 quart	2 lbs.	\$0.15
1 gallon	4 lbs.	.65
2 gallon	6 lbs.	1.25

**MEDICATED FISH BALL**—A fine aquarium conditioner that dissolves Aquarium impurities. An excellent tonic for well or sick fish; neutralizes minerals in water. Price each, 12c, postpaid; 3 or 29c, postpaid.

**DYED CHIPS**—Very pretty in bottom of bowl and aquarium. 1 lb. pkg., 15c; postpaid, 23c.

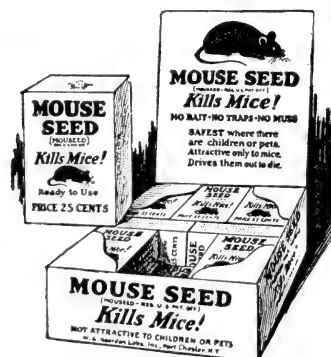
**NETS**—It is extremely important that the hands are never put in the goldfish water, as an acid will form which will kill the fish. Woven nets, 15c each; postpaid, 18c.

**WASHED SEA SAND**—Natural color, brown. An excellent gravel for the bottom of bowls and aquariums. Use about 6 to 9 lbs. for 5-gallon tank. 3 lbs., 25c. Add postage.

**AQUARIUM CEMENT**—Prepared and ready to use either for repairing tanks or building new aquariums. 1 lb. can. 35c. Add postage.

**AQUARIUM GRAVEL**—Pure white. 2 lb. box, 15c. Add postage.

Ask for free pamphlet on arranging aquariums and bowls, also general care of gold fish.



**MOUSE SEED.** The most satisfactory mouse exterminator ever sold. A natural treated seed which attracts the mice. They chew out the inside kernels and thirst then drives them out to die. No baits, no traps, no muss. "A saucer and seed is all you need." 25c per package.

## SOY BEAN FLOWER

Soy bean flower has been used for a great many years by people who because of poor health are required to follow special diets, however, in the last few years added popularity has been given to this miracle food which now is being recommended by nutritional experts because one pound equals 2½ pounds boneless meat, 36 eggs, or 6 pints of milk. Staley's Soyflour is an excellent muscle, bone, and body builder and provides a means of making a considerable saving of eggs, milk, butter, and meat because it can replace these foods to a certain extent. Staley's Soyflour can be used in all kinds of cakes, doughnuts, cookies, etc. Used in quantities of from 5% to 15% it imparts a smoothness and velvetiness not obtained in any other way. Recipes and directions for use may be obtained from county demonstration agents or by writing to the Department of Agriculture, Washington, D. C.

**STALEY'S SOYFLOUR**, 2-lb. package, 29c. F. O. B. Great Falls. Add postage.

# X-L BRAND TESTED FIELD SEEDS

## Labeled Seed

When buying field seed from a reliable seed company you are receiving the protection of the Montana Seed Laws, which are checked and enforced by your State College.

Purity, Germination and locality where seed is grown is all carefully and correctly shown on the X-L labels. Purity is most important. 1% does not seem like much weed seed, but think of putting 99 alfalfa seeds on a dime and 1 mustard seed. Then compare a dime to an acre and you have some idea of the importance of clean seed.

Every Bag of X-L Field Seeds Sealed With Our  
Graham & Ross X-L Trade Mark

## More Legume Seed Needed

In the Great Falls Tribune of January 6, Mr. Ralph D. Mercer, Extension Agronomist of the Montana State College, emphasized the fact that Montana must nearly double the production of alfalfa seed for 1943, and that Sweet Clover seed production would have to be stepped up to two and one-half million pounds if the 1943 goal is to be reached.

In the same article, Mr. Mercer stated that adapted varieties that have proven to be adaptable should be planted instead of new and untried ones.

### ALFALFA SEED

Sow 8 to 10 lbs. per acre on dry land.

Sow 10 to 12 lbs. per acre on irrigated land.

Our label tags show where our seed is grown. We do not offer blends composed of seed from several localities.

#### X-L LADAK

In a ten-year test conducted at the Northern Branch Station at Havre, Ladak Alfalfa was more drought resistant and had less loss from winter-killing and out-yielded Grimm alfalfa by 13%. Ladak alfalfa is noted for its fineness of stem and abundance of leaves. We have Registered Blue Tag Ladak and Declaration Ladak Seed. Please refer to price list.

#### X-L GRIMM

Grimm Alfalfa has been proven in a 10-year test to out-yield Common by 12%. Since losses from winter killing and drought determined the difference in yields, this test should be the yardstick by which the Montana planter purchases his seed. See price list.

Nitragin should be used on all Legumes. Be sure and state the kind of crop you are inoculating when you order.

#### ALFALFA, all Clovers

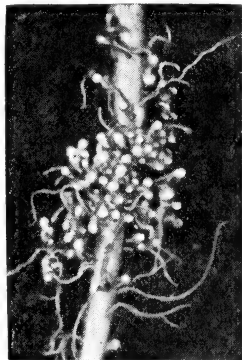
Size	Retail
½ bu. ea. ....	\$ .30
1 bu. ea. ....	.50
2½ bu. ea. ....	1.00

#### PEAS (All Varieties)

VETCHES (All Varieties)	
½ bu. ea. ....	\$ .25
1 bu. ea. ....	.35
1½ bu. ea. ....	.50

#### SOYBEANS, LIMA BEANS, COW PEAS, PEANUTS

Small (Inoculates up to 120 lb. seed) ..... \$ .30



Young ALFALFA root with nodules produced by NITRAGIN inoculation. NITRAGIN bacteria within the nodules aid in producing higher protein hay, increased yields, and richer soil.

### X-L CLOVER SEED

#### X-L YELLOW BLOSSOM (Biennial)

Has a finer foliage and is more dwarf than the white blossom variety and probably makes a little better hay. It can also be pastured a little closer than the other varieties. Will grow on almost any kind of soil. Sow 10 to 15 lbs. per acre. Please refer to price list.

#### X-L WHITE BLOSSOM (Biennial)

It is one of the easiest of clovers to get started and out-yields any other variety for pasture purposes. Starts growing early in the spring and stays green until late in the fall. Will make a good crop of roughage or hay under conditions which might cause an Alfalfa crop failure. Sow 10 to 15 lbs. per acre. Please refer to price list.

#### ALSIKE CLOVER

Alsike clover is adapted primarily to moist soil conditions, it does quite well on soils where there is too much water for other legume crops and where there is a tendency for soil to be slightly acid. It will produce also on neutral to slightly alkali soil, provided there is sufficient moisture to keep it growing. Excellent to combine with timothy or red top for hay. Sow 8 lbs. per acre. Please refer to price list.

#### STRAWBERRY CLOVER

Strawberry clover is primarily a pasture crop and is best used with a mixture of pasture grasses. Since it seems better adapted to alkaline and seepy ground than White Dutch clover. Some growers have found it advisable to use it in Huntley Mixture in place of the White Dutch. It is very nutritious and an excellent milk producer. Where sown alone 1 to 2 lbs. per acre is sufficient. Seed very shallow on well prepared ground and while growing see that all soil is moist at the root level. Please refer to price list.

#### X-L MEDIUM RED CLOVER

Widely used in the foothill and mountainous regions. Improves soil more and outyields every other clover with the possible exception of Alpha Sweet. Sow 10 lbs. to acre. Please refer to price list.

## GRASSES

### X-L CRESTED WHEAT GRASS

Drilled, from 3 to 7 lbs. per acre; Broadcast, 12 lbs. per acre

Now recommended by all agricultural agencies as the best drought resistant hay grass and for range rebuilding on dry land areas. Montana circular No. 79 states, "Crested Wheat-grass should be planted on every farm and ranch unit in Montana. It may be used for lawn, pasture, hay and seed. It is useful for any size unit."

X-L Brand Crested Wheat assures clean, plump, high germinating seed free of stalks, weeds and "clusters." (These clusters are light seed and practically worthless.) YOU CANNOT AFFORD INFERIOR SEED TO SAVE A FEW CENTS. Please refer to price list.

### Fairway Strain Crested Wheat Grass

Produces a finer stalked grass of about half the height of the standard strain. Not recommended for dry land. Fairway Strain makes a very acceptable lawn where a minimum of water and care is available. Sown at the rate of 1 lb. to 300 sq. ft. and kept cut short it resembles blue grass but is slightly coarser.

### X-L BROME GRASS

Sow 15-25 lbs. per acre

Brome is a vigorous, hardy perennial grass that withstands cold, drought and water-logging. It is excellent for hay and pasture, but will cure better if used for hay if mixed with alfalfa. Please refer to price list.

### X-L ORCHARD GRASS

20-25 lbs. per acre

This grass is valuable for making permanent pastures and should be included in every combination sowing. Withstands cropping and cutting. Please refer to price list.

### X-L MEADOW FESCUE

Sow 20 lbs. per acre

This perennial grass is excellent for mixed pasture, as it will recover quickly from close grazing and cropping. Makes a good hay crop and is heavy yielding. Please refer to price list.

### X-L RED TOP

Sow 8 to 12 lbs. per acre

On land that is too wet for Timothy, Red Top is the best substitute for that grass. It will even thrive on land too wet for cultivation. A hardy perennial grass which grows from 2 to 5 feet high. Makes good pasture and fair hay if cut early. Very palatable and relished by all forms of livestock.

### X-L HI-GERMINATING HUNTLEY PERMANENT PASTURE MIXTURE

Recommended by the Federal Experiment Station at Huntley as the best mixture for Montana. Tests have proven that it will pasture more stock per acre than any other.

Suggested for one acre:

- 3 lbs. Brome Grass
- 4 lbs. Kentucky Blue Grass
- 4 lbs. Orchard Grass
- 3 lbs. Meadow Fescue
- 1 lb. White Dutch Clover
- 1 lb. Alsike Clover
- 16 lbs. to 24 lbs. per acre

To broadcast Grain, grass and Clover Seed. Full instructions and directions on every machine. Price, postpaid, each. \$2.65; F.O.B. Great Falls. \$2.50.



### X-L TIMOTHY

Sow from 8 to 12 lbs. per acre

Timothy is the old standard hay and has been the most widely used for years. Timothy is the best hay for horses on heavy work, and there is no danger of giving the horse the scours. Timothy is cheap to plant, easily grown and of excellent quality. Thrives on clay and moist soils but not on poor light land. Timothy should not be sown alone for pasture, but together with other grasses such as Meadow Fescue and Red Top.

### SUDAN GRASS

Sow 20 to 25 lbs. per acre broadcast

GROWS QUICKLY

There is no other forage crop known that will resist drought like Sudan. It has been successfully grown on almost every kind of soil, from heavy clay to light sand. It is an annual and requires planting each season. In favorable seasons the growing period is long, and several cuttings can be obtained in one season. DO NOT SOW SUDAN GRASS BEFORE CORN PLANTING TIME. Like corn, it is a warm weather crop. It is an enormous yielder of excellent hay that is relished by all forms of livestock. The leaves are retained well and if cut at the right stage will make a bright, leafy, sweet hay, of the very best quality.

### REED CANARY GRASS

We have had many calls from people who are anxious to try Reed Canary grass on poorly drained or boggy soil. This has proven very efficient in other sections for reclaiming worthless swamps. Information available in districts where it has been grown in the past claim that it produces hay of high feeding value and makes excellent pasture. One acre produces enough feed for three or four dairy cows from early spring until fall. Close grazing seems to be best except in the late fall.

For hay it should be cut when heads first appear. It will remain indefinitely but can easily be controlled by plowing. It is cold resistant. Heads appear after the middle of June and seed ripens about four weeks later. It should be seeded early in the spring on a good seed bed. Can withstand water-logging but seed will not grow until water has drained off. May be seeded with cover crops such as flax, small grains or with timothy or brome grass. Cover crops will help check weeds and furnish protection until the slower-growing Reed Canary seedlings are fully established. As soon as it is past the seedling stage, it grows rapidly, crowding out other grasses and weeds. If broadcast, 5 to 6 lbs. per acre is required. If drilled, 2 to 3 lbs. in rows 16 to 18 inches apart. If sown with other grains, one-half the regular seeding of the nurse crop should be used. We suggest that this grass be tried on small plots before any large acreage is seeded. See price list.

### X-L FIELD CORN

This year quality seed corn is very scarce and difficult to obtain, and we know that we will not have sufficient to take care of our orders. For varieties and prices, please see price list.

### X-L FODDER CORN

Every farmer milking two or more cows should grow fodder corn for silage. It should be cut green, and either stacked whole or chopped and put in pit or trench silos.

Our particular strain of this variety has become popular with many dairymen and stock growers in Montana because of its large size, earlier maturity, finer and richer fodder and ease of handling. Grows to an average height of 8 to 10 feet, is very leafy and has a small stalk.

### MONTAWEALTH HYBRID CORN

We recommend MONTAWEALTH as the best hybrid developed for this section. It may be planted early.

X-L Strain Montanawalth is as early in this district as Minnesota 13. It does not develop quite as large an ear as some hybrids but will withstand more drought and wind than most varieties and with a favorable growing period will produce an unbelievable quantity of grain with heavy fodder. Please refer to price list.

Treat seed corn with Semesan Jr. This insures against seed rotting and increase yield per acre. Use 2 oz. per bu. 1½-oz. pkg., 15c; lb., 75c. Add postage.

## MILLET FOR HAY

(Please refer to price list)

**X-L SIBERIAN**—Millets are recommended by the Agronomy Department of the State College at Bozeman as a catch crop for hay. Under such conditions, millets will yield more hay per acre than oats or rye. Siberian is extremely hardy, drought resistant, and about two weeks earlier than German. Stools heavily, is very leafy and yields well. Siberian millet also produces good yields of seed.

**X-L GERMAN**—This variety grows from four to five feet high, has a rather coarse appearance and should be cut for hay soon after full bloom.

## PROSO MILLETS

**X-L HOG MILLET**—The hay is of coarse quality except when cut very young. Seed is generally used for poultry and hogs. Hog Millet is early, drought resistant, and under favorable moisture conditions, will yield enormous quantities of seed, often 40 to 50 bushels per acre.

**X-L EARLY FORTUNE**—One of the surest crops in the northwest. Especially valuable for late planting. The seed is of a shiny reddish brown and is recommended for mixture in poultry feeds.

## OATS

(Please refer to price list)

**GOPHER**—An early selection made by the Minnesota Experiment Station and recommended by the Montana Station for dry land. Short, stiff straw; awned, white grain. Our registered seed was grown on dry land, planted May 12th, and harvested Aug. 10th—3 weeks earlier than most varieties. Here is your opportunity to get started with pure registered seed of the best dry land variety. Please see price list.

**VICTORY**—Montana Experimental Station bulletin No. 399, in comparing varieties of oats, recommends Victory for irrigated land. Victory had the highest test weight per bushel of any other variety tested at Bozeman. Victory is a fairly tall variety with a good yield of straw. The plump kernels make it a favorite for feeding purposes. Victory is awnless.

**SWEDISH SELECT**—White oat that is widely planted throughout this area. Straw is coarse and withstands lodging.

**MARKTON**—Is an erect, medium tall variety that was previously recommended as a standard dry land variety for Montana. Its greatest drawback is because of the undesirable appearance of the grain, which is yellowish white in color, very long and slender. However, the hulls are thin, and for actual feeding purposes, and in spite of the poor appearance Markton compares favorably with other varieties.

**X-L HULLESS**—Although hullless oats have not been recommended by the Experimental Station for cultivation in Montana, each year we receive numerous requests for them, and this year we were fortunate in securing a quantity of seed that has been produced for several years in Fergus County. These kernels are plump, and yield favorably with the hulled varieties when an allowance of 30% is made for weight of hulls. The rate of seeding is 50 lbs. per acre. Hullless oats stool very heavily. The value of hulled oats for feeding chicks and pigs is easily recognized. See price list.

## SPRING RYE

The chief purpose of this grain is to serve as a supplementary hay crop. It should be sown at the rate of 50 lbs. per acre, and will generally thrive on light, sandy soil, or land that is too poor for wheat. During dry years, rye can be depended upon to produce a hay crop of good quality if cut early. Please see price list.

## WINTER OR FALL RYE

Serves a very useful purpose for pasture and hay. May be sown in the spring and summer as well as in the fall. When Winter Rye is sown after frost it goes into the following season before maturing, thus making it a biennial.

Fall Rye planted in the spring on either dry or irrigated land for pasture purposes gives satisfactory results. Makes an early abundant pasture due to the stooling characteristics emphasized by the spring conditions.

## FLAX

**BISON**—Brown seeds, medium size, with a high oil content. Plant is of medium height. Mid-season in maturity and resistant to wilt. This is the recommended variety for 1943.

## BARLEY

(Please see price list)

Sow 50 to 60 lbs. per acre

**COMPANA**—The most valuable heavy-yielding barley for dry land. Compana is two-row, white-seeded, hulled, semi-smooth-awned barley with the short, direct habit of growth. Its valuable characteristics include high-yielding ability, early maturity, drought resistant and greater resistance to grasshopper attack than Horn or Trebi. Compana has replaced Horn as the recommended variety for dry land, BUT IT IS ALSO EQUAL TO TREBI WHEN GROWN UNDER IRRIGATION. On dry land, it has out-yielded Horn by 30% or more in tests conducted by the Experiment Station. At present, it is the most outstanding variety on the standard list of those recommended for Montana.

**SPARTAN**—Is a two-row, white-seeded, hulled, smooth awned, stiff-strawed, early maturing barley of medium height and with erect habit of growth. In some areas, it is accepted as a malting variety. Will not yield quite as heavy as Compana. Has appealed to many farmers because of its earliness. Refer to price list.

**HORN**—Is a rough awned, two-row, white-seeded variety which, until it was replaced by Compana, was recommended for dry land production. The seed of Horn is of good quality.

**X-L CALIFORNIA BEARDLESS**—Because of its absence of beards and abundant yield this barley is favored for planting where a grain hay crop is desired. Seed and head about the size of six row barley. X-L strain is produced on dry land and is true to type. Please refer to price list.

**TREBI**—Although Trebi barley is generally recommended for irrigated land, we were unable to secure a very large quantity for seed this season, and are therefore urging that our customers plant Compana, which, according to the Extension Department, yielded equally with Trebi under irrigation. Please refer to price list.

**RUSSIAN HULLESS**—Our seed stock of Russian two-row hullless barley has been grown on dry land in Fergus County, and has averaged from 45 to 50 bushels per acre over a ten-year period. The straw on this barley will generally exceed three feet and very stiff. One advantage of this Russian hullless barley over the old blue hullless is that it does not shatter, so is not lost before threshing. It also has a much softer berry. In fact, this seed is even softer than most of the hulled varieties, thus improving it for feed purposes. Test weight of seed available, 64 lbs. It should be sown in the same method as other barley.

**WINTER BARLEY**—Although winter barley is not recommended by the Experimental Station, we have had so many calls for it that we distributed a small quantity of seed last fall and will probably have additional seed available for the fall of 1943. If interested, we suggest that you write us the last part of August or first part of September.

TREAT ALL BARLEY, OATS AND FLAX WITH NEW  
IMPROVED CERESAN

## FIELD BEANS

**X-L GREAT NORTHERN**—This variety is especially adapted to Montana soil and climate conditions. Beans may be matured for feed or resale purposes, and the vines make excellent fodder. Sow 60-80 lbs. per acre.



## SOYBEAN

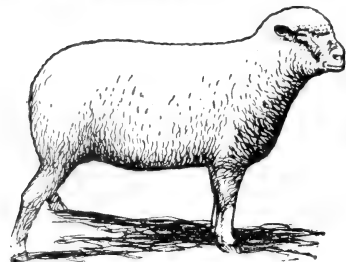
Many people are showing interest in Soy Beans and experimental work has succeeded in developing varieties that in favorable years may be grown in Montana districts where corn can be grown. Soy Beans must be inoculated and should be planted in rows after ground has warmed. May be used for hay, silage or cropping off. Drill in rows 24 to 30 inches apart, using 10 lbs. per acre for dry land and 15 to 20 lbs. for irrigated. Please see price list.

## RAPE

Sow 2 to 3 lbs. per acre in drills; 5 lbs. broadcast. For quick pasture nothing equals Rape. Provides excellent pasture for all kinds of livestock, cattle, hogs, and sheep. Can be sown at any time during spring or summer so a good pasture can be had whenever it is needed. Rape will prepare sheep and hogs for market better and in less time than any other forage plant. It is a mild succulent feed for cattle and will not flavor the milk after cattle are pastured properly.



# SHEEP, STOCK AND HOG SUPPLIES



## WORMING MEDICINES

### PTZ CAPSULES

**PHENOTHIAZINE**—Newly discovered wormer has proven effective for removing the six common species of worms that infest sheep and goats. It is the only material known to remove Nodular worms. PTZ is available in powder and pellet form for individual treatment and for mixing with feed. **PTZ pellets**—8 gram size—each 4½c. Use two capsules for each lamb. **PTZ pellets**—13.5 gram size—each 7c; use two capsules for each adult sheep. **PTZ powder**—a single dose treatment to be used in the feed. One pound treats 18 sheep or 30 lambs. **Price**—4 oz., 75c; one lb., \$1.60.

### COOPER'S CAPSULES

Cooper's kills stomach worms, hook worms, and round worms in livestock. The effectiveness of Cooper's has been very definitely established. It is one of the finest wormers known and a single dosage will usually clean out the worms.

#### SUGGESTED DOSAGE

Calves under 200 pounds—one No. 33 capsule. Larger cattle—one No. 33 capsule for each 200 pounds body weight. Lambs and kids under 40 pounds—one No. 32 capsule. Sheep and goats over 40 pounds one No. 33 capsule. Hogs 30 to 50 pounds—one No. 32 capsule. Hogs 50 to 300 pounds—one No. 33 capsule.

#### PRICES

No. 32 capsule—each, 8c; box of 12, 65c; box of 50, \$2.00.  
No. 33 capsule—each, 10c; box of 12, 75c; box of 50, \$2.00.

### DR. SALSBUARY'S HOG WORM OIL

Very effective, safe to use and easy to administer. Just mix with feed. One treatment usually sufficient. Pint treats 16 pigs 30 to 50 pounds.

Per pint, \$1.20. Weight 3 lbs. Add postage. Per quart, \$2.15. Weight 6 lbs. Add postage.

### WORM FORCEPS

For Cooper's capsules, 60c each; for PTZ capsules, 60c each.

### SWINE JAW SPREADERS

Makes worming easier, each 60c.

## MEDICINES AND TONICS

**"Kill Sheep Ticks and  
Cattle Lice"**

**Easily and Quickly With**

**BLU-RIB-UN SPRAY**

Kills ticks, lice and other vermin. Destroys eggs. Simply spray undersides of sheep as they pass through runway. Oil base spreads chemical through wool, reaching all parts of body. Improves wool condition. 1 gallon sprays 50-60 sheep. Used by sheepmen throughout the west.

Very effective for killing lice on cattle. Can be used in cold weather as it is made with an oil base that spreads through the hair requiring a minimum amount.

Qt., \$1.10; 1 to 50 gal., \$3.00; 50 gals. or more, \$2.75. F. O. B. Great Falls.

## SHEEPMEN

Give your sheep Dr. Hess Stock Tonic, the complete mineral combined with tonic medicines that aid digestion and help elimination. No other mineral is needed. Most sheepmen add Dr. Hess Stock Tonic to the salt, using about 100 lbs. to each 500 lbs. of salt. Especially valuable before lambing time but most feeders find it profitable to use the year 'round. **100 lbs., \$11.50; 300 lbs. or more, \$10.45 cwt.**

## DR. HESS HOG SPECIAL

Mineral supplement and conditioner; boosts hog profits by saving feed and time. Tests extending over many years show that hogs fed Hog Special reach market weight in 15% less time and on 25% less feed. Runty, unthrifty pigs especially need it.

**100-lb. drum, \$11.50; 25-lb. pkg., \$3.50; 15-lb. pkg., \$2.40; 7-lb. pkg., \$1.25; 3-lb. pkg., 60c.**

## EPSOM SALTS

U. S. P. grade. Per lb., 10c; per cwt., \$8.00; F. O. B. Great Falls.

## GLAUBER'S SALTS

Recommended as a physic for animals. Per lb., 15c; 10 lbs., \$1.25; F. O. B. Great Falls.

## IRON OXIDE

Lb., 35c; 10 lbs., \$3.00; F. O. B. Great Falls.

## STABILIZED POTASSIUM IODIDE

Especially prepared by a new patent process that prevents loss of iodine.

Per oz., 20c; per lb., \$2.50; F. O. B. Great Falls.

## MANGANESE SULPHATE

Used in turkey rations. Oz., 20c.

## IRON SULPHATE—(COPPERAS)

Per lb., 50c.

## SULPHUR

For stock and sheep, fumigating purposes and for treating hay to prevent damage by mice.

Per lb., 10c; 100-lb. bag, \$6.25. F. O. B. Great Falls.

## REX COLD PROCESSED EXTRACTED

## WHEAT GERM OIL

Livens up bulls and boars. Keeps them in service longer. Helps settle "shy" breeders. The cheapest insurance against breeding troubles that any cattleman can buy. Use Rex Wheat Germ Oil to prevent breeding troubles before they occur. The cost is negligible. A bull needs 4 ounces per month; a cow from ½ ounce to 2 ounces per week before breeding. **Per pint, \$4.00; per quart, \$7.00, F. O. B. Great Falls.**

## NOPCO FORTIFIED COD LIVER OIL

Nearly five times as potent in Vitamin D as standard cod liver oil. 2 lbs. is sufficient for 100 hens for 1½ months. Feed it to poultry, hogs, calves, pets, etc., mixed with their regular feed. Contains 3000 units of Vitamin A and 400 units of Vitamin D per gram.

Furnished in one gallon used jugs. Each \$6.00. In quart bottles, each, \$1.50. Bulk in customer's own container, 75c per lb.

## REGULAR NOPCO COD LIVER OIL

Guaranteed to contain 85 units Vitamin D, 600 units Vitamin A, per gram. Use from 1 to 3% in feed for calves, sheep, cattle, dogs, foxes, and poultry.

In used gallon jugs, \$2.25. In bulk in customer's own container, \$2.15.

## DIAMOND G MINERAL OIL

For animal feeding and all veterinarian purposes. Absolutely pure. Qt., 45c. Shipping weight 5 lbs. Gallon, \$1.25. Shipping weight 14 lbs. Add postage.

**FLAX MEAL**—Pure ground flax used on veterinarians' prescriptions for digestive disturbances in cattle. **Per lb., 10c.**

### CALCIUM CARBONATE

For mixing livestock and poultry feeds. **\$2.00 per cwt.**  
Less than full sacks, 3c per lb. **F. O. B. Great Falls.**

### DIAMOND G MINERALS

A specially compounded mineral mixture rich in highly available phosphorus and calcium and also contains all necessary elements for proper health and assimilation. Diamond G Minerals can be added to rations for dairy cows and other animals that are fed ground feeds using 2 lbs. per 100; and range stock and sheep using 25 lbs. per 100 lbs. of salt. For brood sows before farrowing use 3 lbs. per 100 lbs. of ground feed. For growing pigs, 2 lbs. per 100 pounds of feed is sufficient.

Feed Diamond G Minerals for 3 weeks and see the difference. Animals grow better, produce more milk, hair takes on new lustre, eyes become bright. **Please see price list.**

### DIGESTA

#### STEAMED AND STERILIZED BONEMEAL

Supplies phosphate, the mineral most needed by all sheep and stock in Montana. DIGESTA Bonemeal is steamed and sterilized and made from fresh packing house bones—not from bones gathered from the prairies which have had much of the available phosphate bleached out and which are dangerous as a source of disease infection. DIGESTA Bonemeal is high in Tri-Calcium phosphate (72%). See list in back of catalog for current price.

### TOBACCO POWDER

Widely used for worming sheep and cattle. Fresh full strength stock. **Per 100 lbs., \$6.50; 500 lbs., \$31.25, F. O. B. Great Falls.**

### IRRADIATED DRY YEAST

An exceptionally rich source of vitamin D for all four footed animals. Irradiated Dry Yeast is guaranteed to contain 9,000 U. S. P. units of vitamin D per gram. Animals that are supplied with a sufficient quantity of vitamin D make better use of their feed, do not suffer from lack of sunshine, are not susceptible to certain types of paralysis and show a greater resistance to disease. A small amount is required when fed in daily rations. Following is a table giving necessary requirements:

Calves .....	1/2 lb. per ton of feed
Milking ration .....	1/2 lb. per ton of feed
Pig and sow meals .....	1/4 lb. per ton of feed
Sheep feed .....	1/4 lb. per ton of feed

**NOTE**—Quantities given include total amount fed daily and not just the grain. **Per lb. \$1.25, F. O. B. Great Falls.**

### DIAMOND G CALF MEAL

A substitute for whole milk. Use with skim milk or make a gruel with water and sell your cream. **See price list.**

### ALBERS CALF MANNA

The most popular milk substitute and calf food ever manufactured. For beef calves, dairy calves, lambs and colts. Used by all leading National Hereford show strings. 4-H Beef and Dairy Club members should use this feed. Write for complete literature. Economical to use since it is so concentrated. **See price list.**

### SCOTCH TYPE ROUND TOOTH COMB

New type large size comb with special round teeth which have a decided and important advantage over square cut teeth by eliminating the cutting and reducing pulling out of hair, especially on winter coats.

Made with coarse teeth for long coats and fine teeth for short coats. Specify coarse or fine when ordering. **Price \$1.35, postpaid.**

### OLD PROCESS LINSEED MEAL

37% protein for mixing beef and dairy ration. **Please refer to price list.**

### COTTON SEED CAKE

43% protein. New crop. **See price list.**

### STALEY'S SOY BEAN MEAL

A protein rich food that improves the ration of every kind of animal and poultry. Use up to 10% of the entire grain ration. The best source of vegetable protein. **See price list.**

**NOTICE—CARLOAD BUYERS:** We are brokerage agents for Cottonseed, Soybean and Linseed cake and meals. Get on our mailing list for market quotations.

### "DIXIE" PINE TAR

For years this product has been the standard remedy on thousands of farms. Ideal for docking, castration, dehorning, barb wire cuts, cracked hoofs and general cuts. Every farm home should have a can on hand. **One pint, wt. 3 lbs., 35c.**

### PINE-TREL

Used by all leading Sheep and Cattlemen. Endorsed by THE MONTANA WOOL GROWERS ASS'N. Excellent for Screw Worm Flies, Wool Maggots, Grub-In-The-Head. Used after dehorning, castration and docking. Heals Barbed Wire Cuts, Horn Gores, Dog Bites, and other wounds.

Size	Wt.	Price
1 Quart	4 lbs.	\$ .75
1 Gallon	11 lbs.	1.75

### MINTRA SHEEP MARKING PAINT

Produced by Benjamin Moore & Co. One of the oldest and most reliable paint manufacturers in America. Will not fade but scours out perfectly. 30 brands more per gal.

Red and black, per gallon .....	\$2.10
Green and blue, per gallon .....	2.25

**F. O. B. Great Falls**

### Dr. Hess Saponified Cresol Solution

This dip meets with the approval of the State Agricultural Department and the Federal Government to be used in disinfecting in connection with Bang's disease control program. **Per quart, \$1.00; per gallon, \$2.75.**

### Dip with "Black Leaf 40" for Lice and Scab "Black Leaf 40" for Stomach Worms in Sheep

#### FREE DIRECTIONS FURNISHED

Write us for full and complete directions just how to use "Black Leaf 40." They will be mailed by return mail.

Size	Wt.	Price	Size	Wt.	Price
5 oz.	1 lb.	\$1.05	5 lb.	6 lb.	\$6.90
1 lb.	1 lb.	2.42	10 lb.	11 lb.	12.50
2 lb.	3 lb.	3.57			

### BULK SHEEP DIP AT MONEY-SAVING PRICES

Full strength (5 per cent carbolic co-efficient) sheep dip that mixes perfectly with any kind of water. Formula standardized with the U. S. Dept. of Agriculture. This dip will not settle out, but remain in a perfect milky solution.

50 gal. bbl. ....	\$1.00 per gal.
30 gal. bbl. ....	1.05 per gal.
5 gal. can .....	1.50 per gal.

**Customer must furnish own container.**



See Page 31

### HORN SHAPING WEIGHTS



The 1/2-pound weights are for stock up to six months old. The opening to receive the horn is 1 1/8 inches.

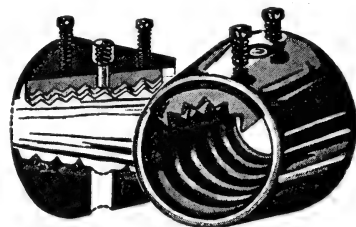
The 1-pound are for stock from six to twelve months old, with an opening to receive the horn 1 1/4 inches in diameter. This size is best suited to heifers.

The 1 1/4-pound is a new size. It has a larger hole and is suitable for young bulls. You will like it.

The 2 1/2-pound weight is designed more for bulls from twelve to twenty-four months old. The holes are larger and fit the coarser horns better. The openings are 1 1/2 inches.

Order all weights by number and specify weight to avoid mistakes. Add postage.

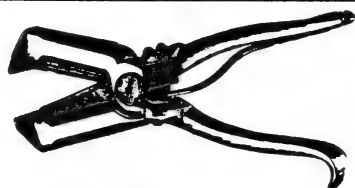
No. 1/2—1/2-lb., per pair .....	(Shipping wt. 2 lbs.)	\$ .69
No. 0—1 -lb., per pair .....	(Shipping wt., 3 lbs.)	1.10
No. 1 1/4—1 1/4-lb., per pair .....	(Shipping wt., 3 lbs.)	1.15
No. 3—1 3/4-lb. "Shorthorn Special," per pair .....	(Shipping wt., 4 lbs.)	1.25
No. 4—2 1/2-lb., per pair .....	(Shipping wt., 6 lbs.)	\$1.55



### FRANKLIN FLOATING WEDGE HORN WEIGHTS

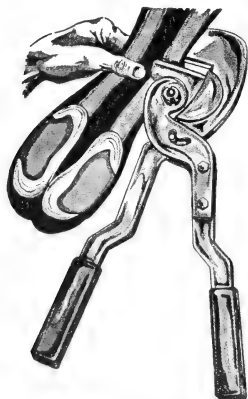
1/2 lb., \$1.15; 1 lb., \$1.20; 1 1/2 lbs., \$1.25; 2 lbs., \$1.30 per pair. F. O. B. Great Falls. 5% discount on 10 pairs.

The floating wedge feature of this new weight permits it to be readily adjusted to fit the tapering of the horn regardless of whether it is a short or long horn.



### "ALL IN ONE" CASTRATOR

Combines castrator, docker and ear marker in one simple and efficient tool. Positive, fast, sanitary, practical, convenient—decidedly better docking and gives an ear marking that is smoother and better. Each \$10.00



### IMPROVED FRANKLIN CASTRATOR

Severs the cord without injuring the skin. The new Franklin is the only castrator that provides for an adjustment of the jaws to accommodate the varied thickness of skin found in animals of different ages. This adjustment is quickly and easily made. Also readily adjusted to take up any wear.

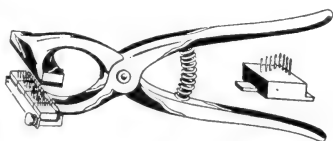
Each, \$14.00. Shipping Wt., 5 lbs. Add postage.

### INTERCHANGEABLE TATOO OUTFIT

This instrument is designed for use on both cattle and small animals and poultry. Supplied with 3/8-inch digits for cattle or 1/4-inch digits for small animals and poultry.

The tongs are of malleable iron and hold up to four characters of either 1/4-inch of 3/8-inch size, or only one may be used if preferred. These digits are inserted individually from front of tongs and no blank digits are required.

Outfit complete with tongs (pliers), set of figures (0 to 9) either 1/4-inch or 3/8-inch size; 2-ounce bottle Tattoo Ink \$4.25. Letters or Figures, each 30c.



### "KANTSLIP" CATTLE LEADS

Made of malleable iron with fine quality holding spring. Snaps into nose and holds firmly. Does not pierce the nose. Easy and quick to insert and remove. Not to be confused with the breakable cast-iron leads. 2 1/2-inch size, 40c. Wt. 1 lb. Add postage.

### Franklin Leader



A handy device for handling cattle.

Price without rope, 65c. Wt. 1 lb. Add postage.

### BARNES CALF DEHORNERS



The cutting blades are of high grade tool steel with handles of choice hard wood.

In dehorning calves, the aim should be to take a ring of skin off with the horn and scoop out the horn button to prevent a stub growing

out. This tool accomplishes this result, does a good clean job and has proven a thoroughly practical instrument for dehorning calves from 2 to 8 or 10 months of age. Price \$2.75. Shipping Weight 3 lbs. Add postage.

A larger size de-horner of the same type but of heavier construction with iron handles. \$3.75. Ship. Wt. 6 lbs. Add postage.



### Anchor "Sure Brand" Branding Fluid

Enough for 40 clean-cut brands. Easier than burning. \$1.25 postpaid.

### ANCHOR DEHORNING FLUID

Sure and safe. \$1.00 per bottle postpaid.

### CATTLE EAR TAGS

Numbered consecutively. Each, 3c postpaid.

### SHEEP EAR TAGS

Numbered consecutively. Each, 3c postpaid.

### PLIERS

For fastening either sheep or cattle ear tags. \$1.75; postpaid, \$1.85.

# LION Naturalube The Farmer's Choice!

## CUTS MOTOR OPERATING EXPENSE FIVE WAYS

- 1—**SAVES CARBON CLEANING:** Because of its ability to remove hard carbon from rings, pistons, valves and spark plugs, Naturalube minimizes carbon cleaning and valve grinding.
- 2—**SAVES WEAR:** Naturalube's protective oil film is a trustworthy guard against excessive friction wear because it is oilier, more penetrative, and more adhesive.
- 3—**SAVES REPAIRS:** Because of its stronger natural film, Naturalube offers a wide margin of safety which prevents costly repairs due to oil film failure.
- 4—**SAVES GASOLINE:** Naturalube lowers gasoline consumption because it lubricates better, reduces friction, and removes power-destroying hard carbon from pistons, rings, valves, and spark plugs.
- 5—**SAVES IN OIL ADDITIONS:** Because of its great resistance to vaporization and "oil breakdown" Naturalube will save you money by minimizing oil additions.

## GUARANTEED

Briefly, Lion Oil Refining Company guarantees that the purchase price of a trial quantity of Naturalube will be refunded cheerfully and without question if, after a fair trial, the user does not believe that Naturalube is superior to all other motor oils.



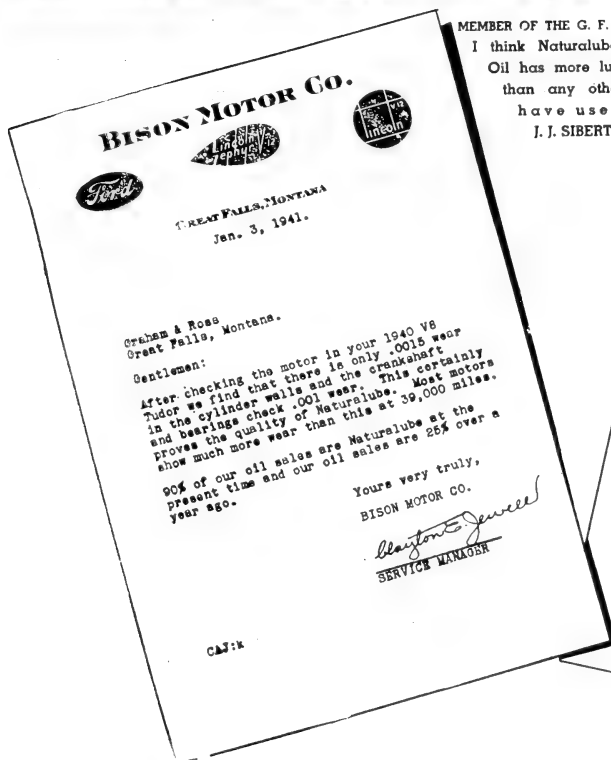
**A Superior Oil for Your Car, Truck, and Tractor**



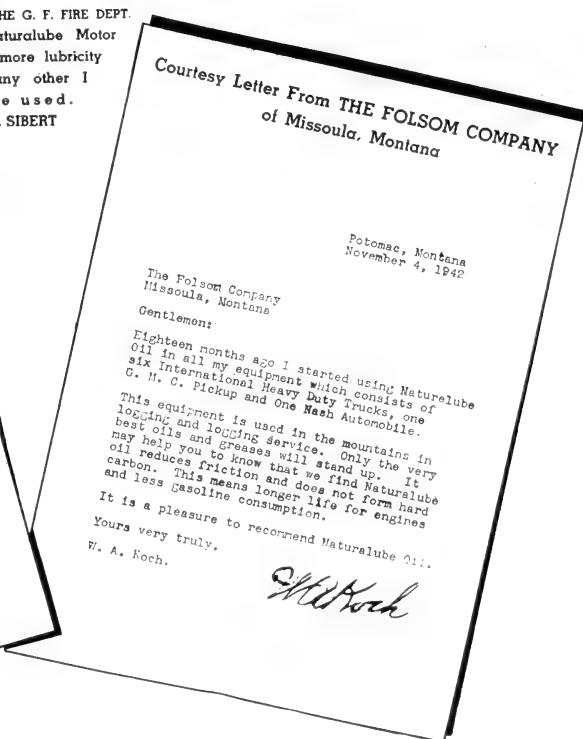
**LION OIL REFINING COMPANY**

EL DORADO, ARKANSAS

**TRUCKS, TRACTORS — GASOLINE OR DIESEL**



MEMBER OF THE G. F. FIRE DEPT.  
I think Naturalube Motor Oil has more lubricity than any other I have used.  
I. J. SIBERT



# DIAMOND G POULTRY FEEDS

COMBINE THE LATEST RECOGNIZED VITAMIN ESSENTIALS WITH CLEAN WHOLESOME GRAINS AND CONCENTRATES

ALL DIAMOND-G PANAMIN MASHES are now protected with a "Safety Margin" of Vitamin A.

## DIAMOND G MASHES CONTAIN DR. HESS PAN-A-MIN

Incorporated under the direction and guidance of the Dr. Hess Research Farm. All Diamond G Feed is checked by the Hess Research Laboratories. There is no guesswork about analysis. "Poultry House results" prove the value of this exacting requirement, insisted on by the Hess Laboratories.

### DIAMOND G PAN-A-MIN CHICK STARTING MASH

For a quick start and low mortality in your baby chicks, you will find DIAMOND G Chick Mash a superior feed. Contains Dr. Hess Pan-a-min which keeps the bowels and digestive system regulated and supplies a proper mineral balance that means good bone structure; also reduces picking troubles. Has Vitamin E added, and contains manganese to prevent hock disease. Please refer to price list.

### DIAMOND G TURKEY STARTING MASH

When the poults come, start them on Diamond G Pan-a-min Turkey Mash, 24% protein, all highly digestible. No wonder Diamond G fed poults get started so quickly. You want to build good big frames that you can hang meat on. That takes minerals—plenty of minerals. All the minerals a growing poult ever needs are in Pan-a-min. And there's the plus value of conditioners to keep the youngsters in condition to make good use of their feed and grow out quickly. Washington State College proved that more Vitamins A and D are needed for baby turkeys than for baby chicks and you are assured of receiving this in Diamond G Turkey Mash because there is an extra amount of Nopco Fortified Cod Liver Oil added. See price list.

### DIAMOND G PAN-A-MIN GROWING MASH

Gradually change your chicks from starting mash to DIAMOND G Pan-a-min Growing Mash, beginning the change at six weeks of age. DIAMOND G Growing Mash develops your pullets into full bodied layers that will go through a strenuous laying season without breaking down. Like all DIAMOND G feeds, our growing mash is "charged with vitamins." In addition to certified A & D content, Vitamin E is added. This has been proven by Doctors Butler and Warren as an aid in helping to eliminate range paralysis. By feeding your birds DIAMOND G Growing Mash, you build up disease resistance. See price list.

### DIAMOND G CALF MEAL Containing Dr. Hess Stock Tonic

This meal contains a wide variety of easily digested proteins that enable a calf only a few days old to get the full benefit of the food. In addition, the Dr. Hess Stock Tonic that it contains supplies a proper mineral balance, appetizer and tonic that will assure quickest growth with the least intestinal disturbances. Use Diamond G Calf Meal with skim milk or water and sell your cream. You can grow a better calf this way than with natural whole milk. Please see price list.

### DIAMOND G HOG CONCENTRATE

Combine this hog concentrate with our home grown grains at the ratio of 100 lbs. to 500 lbs. of grain. This 40% protein supplement will assure you lowest cost. Supplies necessary minerals and vitamins. Please see price list.



### DIAMOND G PAN-A-MIN EGG MASH

Three pounds of Dr. Hess Pan-a-min in every 100 lbs. help to keep your birds toned up and in "tip-top" health. Pan-a-min aids digestion so that your birds get full benefit from every mouthful of feed. Vitamin E is added to aid in preventing range paralysis. Extra high production, without breakdown, is possible because of the fine balance of proteins and because this feed is "charged with vitamins." See price list.

### DIAMOND G PAN-A-MIN BROILER MASH

Especially formulated mash for growing birds for market. This mash may be used for broilers grown in battery brooders or for broilers raised in brooder houses. Quick growth and good feathering with a minimum loss is guaranteed. Produces an even flock of marketable broilers in eight weeks. See price list.

### DIAMOND G FATTENING MASH

Used as a finishing feed for cockerels and hens. This feed quickly puts on extra weight and assures a good finish. Birds dress out in better condition. Excellent for finishing turkeys. Diamond G Fattening Mash may be fed dry or can be mixed with water, milk or buttermilk. If fed wet, feed from 3 to 5 times per day, giving the birds only as much as they will clean up in 20 minutes. This feed is not recommended for broilers. Grain should be fed in connection with this mash. See price list.

### SUPER 30 CONCENTRATE

For home mixing egg mash. Super 30 Concentrate supplies the proteins, minerals and vitamins necessary to add to your own grains to give you a complete egg mash. Results, while not as good as you will get from Diamond G Egg Mash, will be better than if you try to buy all the ingredients you need to make a good egg mash. 100 lbs. of Super-30 with your grains will make 600 lbs. of egg mash. See price list.

### DIAMOND G CHICK SCRATCH

Rich in steel cut oat groats and yellow corn. This is carefully screened and graded to the proper size. See price list.

### DIAMOND-G HOG CONCENTRATE

A forty per cent hog supplement to be combined with your own ground grain. When you use Diamond-G Hog Concentrate, only half of the amount of grain necessary to produce market hogs is necessary. Use at the rate of one hundred pounds to five hundred pounds of your own grain, or you may feed in self feeders just as received in the bag, supplying grain in additional feeders so that the hogs may balance their own ration. Diamond-G Hog Supplement can be used for weaning pigs, growing stock and brood sows. Please refer to price list.

DIAMOND G MASHES ARE  
*"Charged With Vitamins"*

Diamond G Feeds are guaranteed



# HUDSON SPRAYERS

We have received word from the Hudson Sprayer Co. that they expect to be able to obtain materials to manufacture a limited quantity of some of their models. We are listing these models and will be able to fill orders if they secure the raw materials necessary. Hudson sprayers have been the leaders for years and you may be sure that the high quality of their products will be maintained even under unusual and critical conditions.

## PERFECTION SPRAYER

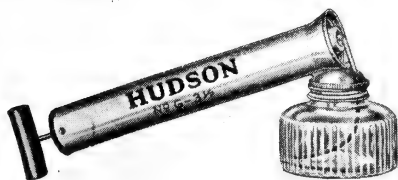
"There is only one Perfection — Hudson builds it."

Greater value. Tank holds 4 gallons. 12 in. high and 7½ in. in dia. with big 6 in. opening that makes it very easy to fill, empty, to dry and clean out. Top seam is welded, side and bottom seams closely riveted and soldered. Beading through body adds strength, rigidity and appearance. Tested to 100 lbs. pressure. Pump is large and of seamless brass tubing. Patented, positive air valve. Pump and top assembly are locked into action by double levers that permit a release of air without danger of accident. Furnished with 27 in. high pressure spray hose, two foot brass extension, and all brass angle fog nozzle.

Shipping weight, 14 lbs. No. 210-G, each \$7.69.

## HUDSON CLIMAX

No. 435-G. 3¾-gallon open top. Climax combines strength, safety, easy and efficient operation with low price. Can be used for all classes of spraying. Construction is similar to that of the Perfection but is slightly smaller and not quite as heavy. Shipping weight 10 lbs. Each \$6.30. F. O. B. Great Falls. Add postage.

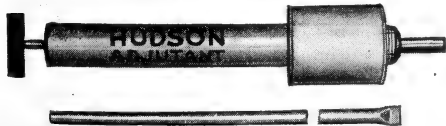


## EMERALD SPRAYER

No. G3½. A small hand sprayer with a large easily filled jar. May be used in an almost vertical

position. Emerald colored glass prevents light from damaging the strength of the solution but contents can be seen at a glance. Capacity ¼-pint. Shipping weight 2 lbs., each 25c.

## HAND DUSTERS



No. 664—ADJUTANT. An improved type of duster widely used in stores, offices, restaurants, hotels, etc. Ample power and capacity for garden and field or for the poultry house. Each 60c. F. O. B. Great Falls.

No. 660—SIGNAL DUSTER. A favorite where a limited amount of dusting is required. Shipping weight 1 lb., each 40c. F. O. B. Great Falls. Add postage.

## HUDSON CRITIC

No. 427-G. Continuous sprayer with a glass jar which eliminates the possibility of rusting and deteriorating from chlorine solutions. Shipping weight 4 lbs., each \$1.25. 1 quart capacity.

## MISTY SPRAYER



No. 452. A low priced sprayer that gives excellent service. Pump is built into the tank for greater strength and to build up pressure. Large filler opening and Hudson expanding action pump. One quart capacity. Shipping weight 2 lbs., each 55c. F. O. B. Great Falls. Add postage.

## MERCURY SPRAYER

No. 432. Pump passes directly through top of tank and is securely soldered. Handles all light solutions such as fly spray, poultry inhalants, etc. 1 quart capacity. Nozzle is adjustable for fine or coarse spray. The continuous spray breaks solution into fine mist resulting in a saving of over half the liquid. Shipping weight 2 lbs., each 85c. F. O. B. Great Falls.

## CRESCENT SPRAYER

No. 430. Any quart Mason jar may be used with this sprayer so that a change can easily be made from one solution to another by simply changing jars. There is no need to clean out the jar being used. Simply cover and set away until again wanted. Double discharge tubes throw a wide fan-shaped spray. Complete with quart jar. Shipping weight 5 lbs., each 85c. F. O. B. Great Falls. Add postage.

## VAPOR SPRAYER

No. 232. ¾-pint handy little tin sprayer for household use. Each 25c. F. O. B. Great Falls. Shipping weight 2 lbs.

## HANDY SPRAYER

No. 440. A good quart sprayer at a very low price. Shipping weight 2 lbs., each 45c. F. O. B. Great Falls. Add postage.

## NO. 200-W WEED BURNER

The Hudson weed burner is fitted with a burner unit which produces a temperature of 2,000° at burning range. The flat frame has a wide burning area of about 5 in. Consumes about one gallon of kerosene, distillate, or stove oil per hour. Valve and fuel line permit effective regulation of flow. Pressure gauge is mounted on top line where it is easily seen and read. 3¾-gallon supply tank with open top construction permits quick and easy filling, emptying, or cleaning. Hose 48-in. long specially compounded to resist action of distillate or other oils. Burner nozzle is easily accessible for cleaning. Specially shaped handle gives good balance and maximum comfort.

No. 200-W. Each \$17.50.



# LAST MINUTE ITEMS



**GOOD NEWS  
TO VICTORY  
GARDEN RAISERS**

Swift has just announced that they will have a special Victory Garden plant food that can be used without restrictions for vegetables. Swift's more than 50 years of pioneering in the manufacture of commercial fertilizers and more than 20 years research and practical experience in the manufacture of Vigoro are your assurance that VIGORO VICTORY GARDEN FERTILIZER will measure up to the highest expectations. Vigoro Victory Garden Fertilizer is a complete plant food, clean, odorless, sanitary and economical. Full directions for use are given on the package.

100-lb. bags, \$4.00; 50-lb. bags, \$2.50; 10 lbs., 80c; 5 lbs., 50c. F. O. B. Great Falls. Add freight or postage.

## WHITE RUSSIAN HULLESS BARLEY

A heavy yielding crop of exceptionally fine feed value, this White Russian Barley has been grown on dry land in Fergus County for ten years and has averaged from 45 to 50 bushels. Berry is softer than the kernels on the old type hulless barley and is better relished by stock.

Please see price list.

## PEAT MOSS FOR POULTRY

Peat moss provides the ideal litter for baby chicks and old hens. It is harmless if eaten and economical to use as it is not necessary to change it during the

brooding season. Germs are killed by using a litter spray such as Dr. Salsbury's Par-O-San. One bale will cover a brooder house 14 x 14 to a depth of 1 inch.

Per bale, \$4.25. F. O. B. Great Falls. Shipping weight 100 lbs.

## TEN BEST FLOWERS FOR CUTTING

In our estimation, we believe that the following ten flowers provide the easiest means of supplying an abundance and variety of cutting flowers. Our selection takes into consideration the ease with which they may be grown, length of growing period, and the length of time the blossoms remain in good condition after being cut.

African Daisy	\$ .10
Bachelor Button—Double Blue	.10
Annual Chrysanthemum	.10
Cosmos — Sensation	.10
Gaillardia—Indian Chief	.15
Larkspur—Imperial Giant	.10
Marigold—Guinea Gold	.10
Phlox—Annual	.20
Scabiosa	.10
Zinnias—Pastel Lilliput	.10

\$1.15

If purchased separately, these flowers are \$1.15. Special postpaid price for cutting collection, 89c.



## GROW YOUR OWN COFFEE

Chicory has been used for years as a coffee substitute in European countries. Smaller quantities of chicory than coffee should be used or small amounts of it should be added to coffee to make it go farther. Culture is practically the same as for parsnips. Roots are gathered and stored for winter. To use, roots are sliced, roasted and ground.

Per pkt., 10c.

## EVERGREEN SPECIAL

We have a number of spruce and Colorado Juniper growing in gallon pots or containers. These may be kept in the containers for a year or so or may be immediately transplanted without danger of root shock. Juniper averages 15 to 22 inches above ground; spruce averages 10 to 15 inches above ground. Either variety F. O. B. Great Falls. 75c each. Can be shipped by express or freight only. If to be shipped, please add 15c for packing charges.

## CITRON FOR PRESERVING

Citron requires the same culture as musk melons. For earlier crop we recommend using Hot-kaps. Per pkt., 10c.



Spruce

Juniper

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# Field Seed Prices

Subject to stock unsold and change without notice. All prices F. O. B. Great Falls. No charge for bags. If price has changed, orders will be filled for amount sent in.

ALFALFA:	100 lbs.	50 lbs.	10 lbs.
Common			
X-L Montana	\$47.50	\$24.00	\$4.95
Standard Grade	44.50	22.50	4.70
Grimm			
X-L Declaration	50.00	25.25	5.20
Declaration Grimm containing			
18% Sweet Clover	36.00	18.25	3.80
Ladak			
X-L Blue Tag, Registered	56.00	28.50	5.80
X-L Declaration	52.00	26.25	5.40

CLOVERS:			
X-L Yellow Blossom Sweet Clover	15.50	8.00	1.75
X-L White Blossom Sweet Clover	15.00	7.75	1.70
X-L Alsike	35.00	17.75	3.70
X-L Medium Red	33.50	17.00	3.55
X-L Strawberry Clover		.75 per lb.	

CORN:			
Montana grown, high germinating seed.	Bu.	1/2 Bu.	Lb.
X-L Minnesota 13	7.50	3.90	.15
X-L Northwestern Dent	7.50	3.90	.15
X-L Falconer		Write for Prices	
X-L Gehu		Write for Prices	
X-L Elephant Fodder		Write for Prices	

HYBRID FIELD CORN:			
X-L Montawealth	8.50	4.50	.18

GRASSES:	100 lbs.	50 lbs.	10 lb.
X-L Crested Wheat Grass, Standard or Forage Strain	15.00	8.00	.16
Second Grade Crested Wheat Grass Forage Strain	12.00	6.50	
X-L Brome Grass	19.00	10.00	.22
Registered Red Tag Brome Grass	22.00	11.50	.25
X-L Orchard Grass	37.00	19.00	.39
Meadow Fescue	31.00	16.00	.33
X-L Red Top (Solid Seed)	19.00	10.00	.21
X-L Timothy	13.00	6.75	.15
X-L Huntley Mixture	31.00	16.00	.33
X-L Reed Canary Grass		.40 per lb.	

MILLET:	100 lbs.	50 lbs.	10 lb.
X-L German	5.00	2.75	.07
X-L Siberian	5.00	2.75	.07
X-L Early Fortune	4.50	2.40	.06

OATS:	100 lbs.	50 lbs.	10 lb.
Gopher—Registered Blue Tag Seed	2.75		
Here is an opportunity to get started with the best dry-land oats. This registered seed must be free of all impurities.			
X-L Victory	\$ 2.30		
X-L Swedish Select	2.30		
X-L Markton	2.30		
	50 lbs.	25 lbs.	10 lbs.
X-L Hulless Oats	2.95	1.75	1.00

BARLEY:	100 lbs.	50 lbs.	10 lb.
X-L Compana	2.50		
X-L Spartan	2.40		
X-L Russian Hulless	2.50		
Russian is hulless but not beardless.			
X-L California Beardless	2.40		
X-L Trebi		Write for Prices	

RYE:			
X-L Spring	2.00		
X-L Winter	2.00		

FLAX:			
X-L Bison		Please Write for Prices	

RAPE:	50 lbs.	25 lbs.	10 lbs.
X-L Dwarf Essex	11.00	6.00	2.60

SOYBEANS:	100 lbs.	50 lbs.	10 lb.
X-L Illini	9.50	5.00	.12
X-L Manchou	9.50	5.00	.12

NAVY BEANS:			
X-L Great Northern	8.00	4.25	.10

# FEED PRICES

All prices quoted are F. O. B. Great Falls, Mont., subject to market changes. Orders will be filled to the full value of remittance received.

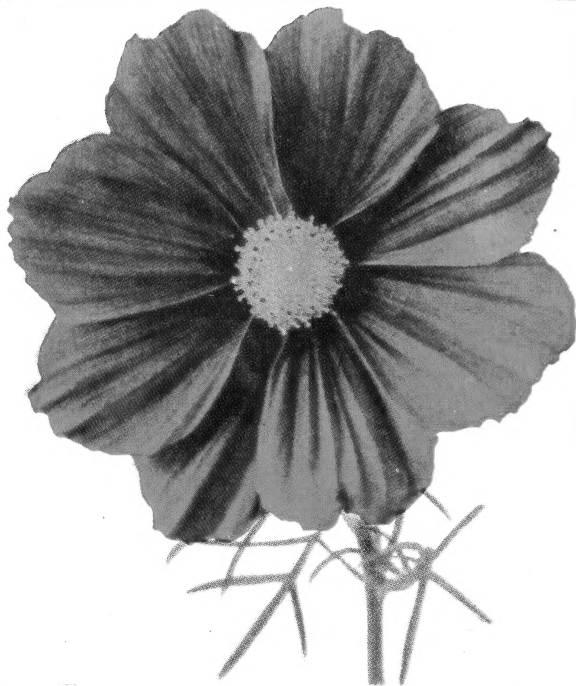
DIAMOND G POULTRY AND STOCK FEEDS:	100 lbs.	50 lbs.	25 lbs.
Chick Starting Mash with Pan-a-min	\$ 3.75	\$ 2.00	\$ 1.10
All Mash	3.55	1.90	1.05
Broiler Mash	3.65		
Turkey Starting Mash, 24% Protein	4.10		1.15
Chick Scratch	3.30	1.75	.95
Pullet Scratch	3.20	1.70	.95
Growing Mash with Pan-a-min	3.55	1.90	1.00
Pan-a-min Egg Mash	3.40		
Yellow Tag Egg Mash with Yeast	3.25	1.75	.95
Hen Scratch, No. 1	2.50	1.35	.75
Hen Scratch, No. 2	2.40	1.30	.70
Hog Supplement, 40% Protein	4.00		
Calf Meal, Diamond G	4.75		1.30
Poultry Concentrate, Super 30—For home mixed Egg Mash	4.35		
Poultry Concentrate, Growing—For home mixed Growing Mash	4.75		
Diamond G Dairy Feed	2.05		
Diamond G Dairy Feed	1.95—ton lots		
Diamond G Minerals	4.50		1.25
Fattening Mash	2.75		
Quantity discount on above Feeds except Dairy Feed—			
	.10 cwt. in 500-lb. lots		
	.15 cwt. in 1000-lb. lots		
	.20 cwt. in 2000-lb. lots		

MISCELLANEOUS FEEDS:			
Alfalfa Meal, dehydrated (Not available at present)			
Alfalfa Meal, suncured (Not available at present)			
Barley, Whole	1.45	.80	.50
Barley, Ground Coarse	1.55		
Barley, Ground Fine (Flour)	1.65		
Barley, Steam Rolled	1.65	.90	.55
Beet Pulp (Not available at present)			
Bonemeal, Digesta, steamed and sterilized (Not available at present)			
Brans	1.70		
Dried Buttermilk (Lacto G Whey)	7.50	4.00	9c lb.
Calf Manna	6.95	3.60	1.90
Calf Manna	6.75	500-lb. lots	
Calf Manna	6.60	ton lots	
Charcoal, all sizes	3.80	2.10	8c lb.
Corn, No. 2 Yellow	2.45	1.30	.70
Corn, cracked, rescreened	2.55	1.35	.75
Cornmeal	2.60	1.40	.75
Cod Liver Oil, Nopco Regular	2.25 gal.		
Cod Liver Oil, Nopco XX	.75 lb. Filled from Bulk		
Cottonseed Cake		Write for Prices	
Flaxmeal, Druggist Grade	8.00	4.10	10c lb.
Grit, insoluble quartz	1.49	.85	.50
Ground Feed (Oats, corn and barley)	1.80		
Hi-Power Cubes	2.65		
Horse Feed, 90 lbs. to sack	1.65 for 90 lbs.		
Hydrated Lime	2.00	1.00	4c lb.
Linseed Meal, 34% (Not available at present)			
Linseed Pellets, 34%, pea size (Not available at present)			
Meat Scraps (Not available at present)			
Middlings	1.80		
Mixed Feed	1.70		
Molas-O-Cake (Hi-Power Cubes)	2.65		
Oats, whole	1.70		
Oats, ground coarse	1.80		
Oats, ground fine (flour)	1.90		
Oats, steam rolled	1.90	1.05	.65
Oat Groats	3.75	2.00	1.25
Oatmeal, Poultry feeding	3.85	2.05	5c lb.
Oystershell Flakes	1.30	.75	.45
Peat Moss	4.25 bale		
Rabbit Pellets	3.60	1.90	5c lb.
Salt, Red Rock	1.00		
Salt, Red Rock, tons	19.00		
Salt, White sacked, Stock or Sheep	1.09		
Salt, Iodized, sacked, Stock or Sheep	1.50		
Salt, White Block, 50-lb.	.69		
Salt, Sulphur Block, 50-lb.	.79		
Salt, Iodized Block, 50-lb.	.94		
Soybean Pellets		Write for Prices	
Soybean Meal		Write for Prices	
Sulphur	7.00	3.75	8c lb.
Vitamin D Powder—For Poultry, etc.	2.00 per lb.		
Wheat No. 1	2.10		
Wheat, steam rolled	2.30	1.25	.70
Baling Wire, 9/16x14 1/2 (250 wires to bdl.)	3.10		
Baling Wire, 9/16x14 1/2 (500 wires to bdl.)	5.85		
Wheat Germ Oil	\$7.00 qt.; \$4.00 pt.; 4-oz., \$1.00		
Yeast—Animal-poultry	.25 per lb.		
Yeast—Irradiated—For Vitamin D	1.50 per lb.		



**AMERICA ALL-DOUBLE PETUNIA**  
All-America Silver Medal Winner, 1943

The finest new double petunia, compact plant 1 ft. high, begins to bloom very early and continues until frost. Flowers 2 inches across. Pkt. 50c.



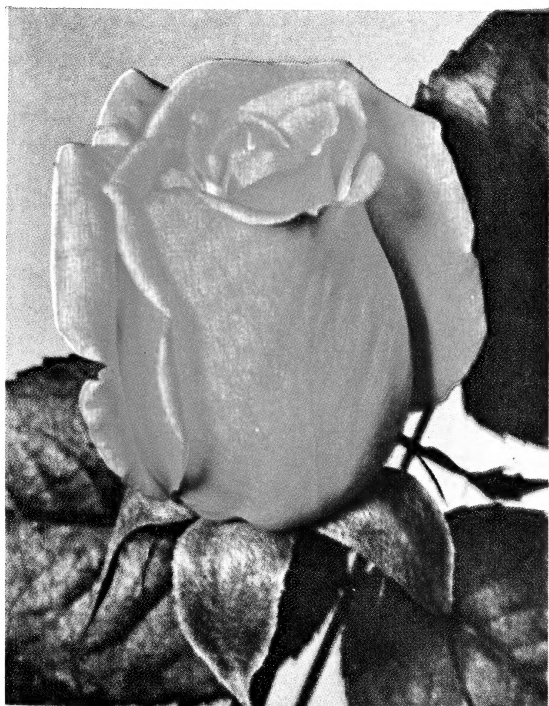
**GIANT SENSATION COSMOS DAZZLER**  
All-America Honorable Mention Winner, 1943

A rich new crimson Cosmos has come to take its place with Pinkie and Purity. Large flowers grow on 4 to 5 foot plants. Blooms all summer. Pkt. 25c.



**HELIANTHUS, SUN GOLD**

A showy background flower. Pkt. 10c.

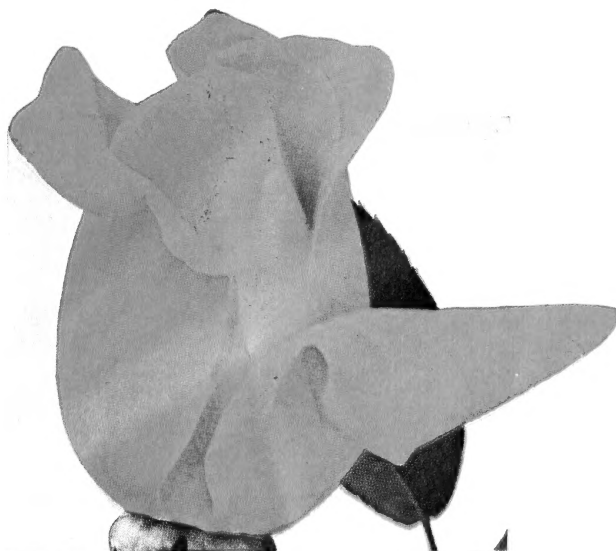


**ROSE, MRS. P. S. DuPONT**

Strong, selected Plants. Will bloom this year.

65c each; 3 for \$1.75

See Rose Section.

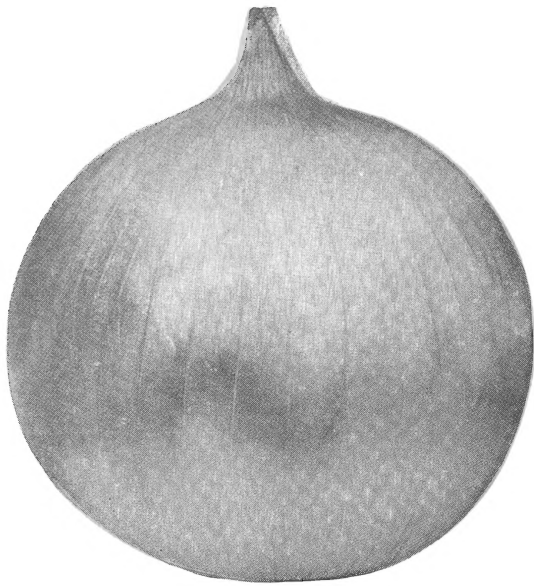


**CHARLOTTE ARMSTRONG**

Plant Patent 455. \$1.25 each.

See Rose Section.



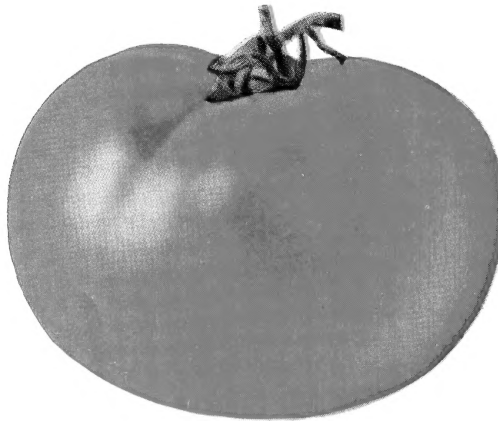


X-L MOUNTAIN DANVERS. Oz. 50c.



X-L LAXITONIAN PEAS. Lb. 40c.

*"Food  
Will Win  
the War  
and  
Write the  
Peace."*



X-L BISON TOMATO. Pkt. 10c.

*In Your Garden  
You Can:  
Grow Your Food,  
Maintain Health,  
and  
Keep up Morale.*



X-L GEM  
STRAWBERRIES

FRESH DUG PLANTS  
\$1.50 per 100.